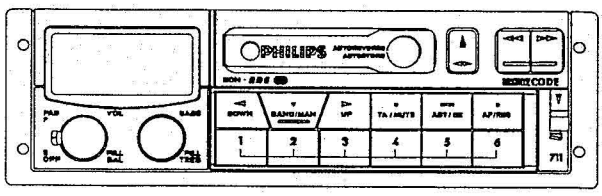
# Cassette car radio 22DC711/00

Service
Service
Service



For repair information of the Cassette deck see Service Manual N° 4822.725.23368 of Auto Cassette Deck P6-25/1

# ServiceManual

12 V

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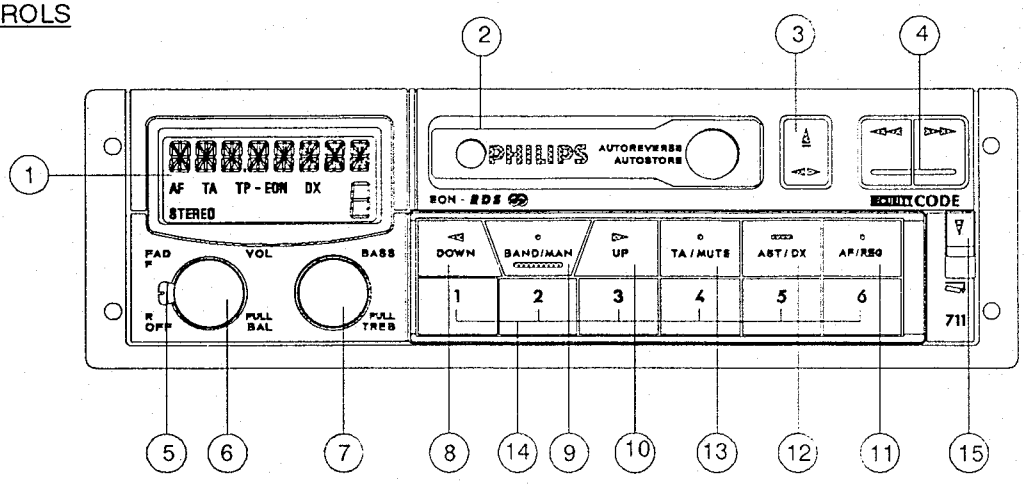
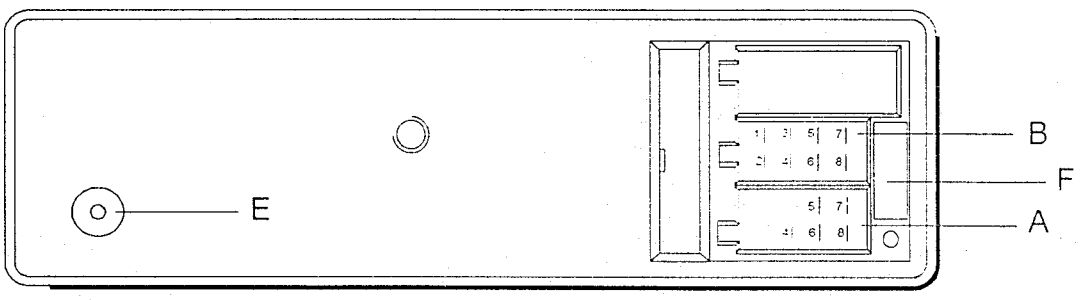
PCS 61921

## CONTROLS

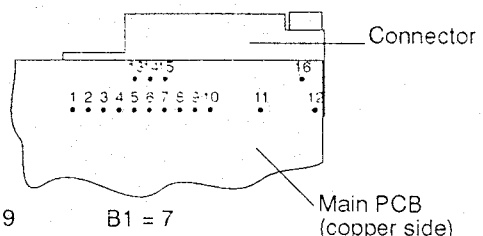



| | |
|---|---|
| (1) Display | (9) Wave Range / Manual Mode |
| (2) Cassette Opening | (10) Search Up |
| (3) Eject / Reverse Button | (11) Alternative frequency / Regional |
| (4) FRW / FFW Buttons | (12) Autostore / Distance Mode |
| (5) Fader | (13) Traffic information / Audio mute |
| (6) ON/OFF / Volume / Balance | (14) Preset Selection |
| (7) Bass / Treble | (15) Release Knob for Detachable Unit |
| (8) Search Down | |

## CONNECTIONS




| A : POWER SUPPLY | B : LOUDSPEAKERS |
|---|---|
| A4 Battery Permanent Plus | B1 Rear right |
| A5 Switched Battery Plus | B2 Rear right ground |
| A6 External Illumination | B3 Front Right |
| A7 Battery Plus (Main Supply) | B4 Front Right ground |
| A8 Ground | B5 Front Left |
| | B6 Front Left ground |
| **E : AERIAL PLUG** | B7 Rear left |
| | B8 Rear left ground |
| **F : FUSE 5A** | |




A4 = 9
A5 = 10
A6 = 11
A7 = 1
A8 = 12

B1 = 7
B2 = 14
B3 = 15
B4 = 7
B5 = 6
B6 = 5
B7 = 5
B8 = 13

22DC711/00

## TECHNICAL DATA

### GENERAL

| | |
|---|---|
| Power supply | :14.4V DC |
| Dimensions | :180x150x51 mm |

### RADIO

| | |
|---|---|
| LW | : 144-288 KHz |
| MW | : 531-1611 KHz |
| FM | : 87.5-108 MHz |
| IF-AM | : 10.7 MHz |
| IF-FM | : 10.7 MHz |
| Sensivity 26dB S/N | : 40 µV (LW) |
| | : 35 µV (MW) |
| | : 3,5 µV (FM) |
| Limitation α-3dB | : 8 to 25 µV |

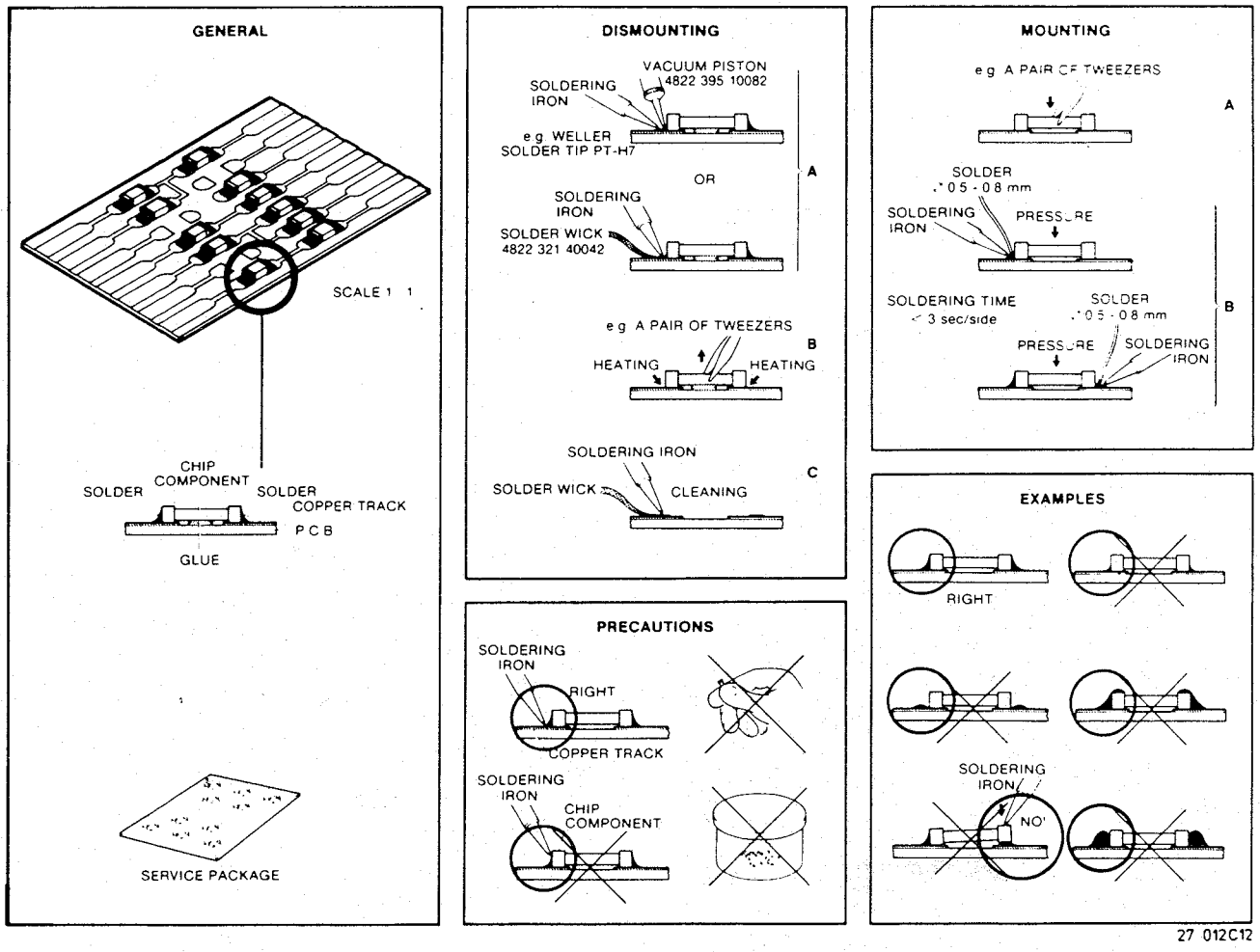
### CASSETTE

| | |
|---|---|
| Cassette mechanism | : P6-25/1 |
| Number of tracks | : 2x2 |
| Tape speed | : 4.76 cm/sec |
| Wow and flutter | : ≤0.35% |
| Crosstalk | :≥ 30 dB |

### AMPLIFIER

| | |
|---|---|
| Output power (D = 10%) | : 4 X 5,7W / 4Ω |
| Loudness | : +10 dB at 80 Hz |
| Tone control | : +10 / -15 dB at 80 Hz |
| | : +12 / -12 dB at 10 KHz |

### HANDLING CHIP COMPONENTS

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## SECURITY CODE

### ACTIVATING PROTECTION

POWER OFF. PRESS UP+
POWER ON UNTIL BEEP

↓

CODE ACTIVE

### DEACTIVATING PROTECTION

POWER OFF.PRESS UP+
POWER ON

↓

DISPLAY SHOWS CODE

↓

ENTER CODE

↓

PRESS UP KEY UNTIL ♫♫
PROTECTION DEACT
RADIO STARTS

### ENTERING A CODE

Example : 3752

DISPLAY SHOWS CODE

↓

PRESS P1 KEY
DISPLAY SHOWS 0----

↓

PRESS "UP" KEY UNTIL DISPLAY
SHOWS 1st DIGIT OF CODE
3----

↓

PRESS P1 KEY
DISPLAY SHOWS 30---

↓

PRESS"UP" KEY UNTIL DISPLAY
SHOWS 2nd DIGIT OF CODE
37---

↓

PRESS P1 KEY
DISPLAY SHOWS 370--

↓

PRESS"UP" KEY UNTIL DISPLAY
SHOWS 3rd DIGIT OF CODE
375-

↓

PRESS P1 KEY
DISPLAY SHOWS 3750

↓

PRESS"UP" KEY UNTIL DISPLAY
SHOWS 4th DIGIT OF CODE
3752

↓

PRESS P1 KEY
UNTIL ♫ OR ♪

→ ♪ INCORRECT CODE

↓

♫ CODE CORRECT
RADIO STARTS

INCORRECT CODE →

WAITING PERIOD

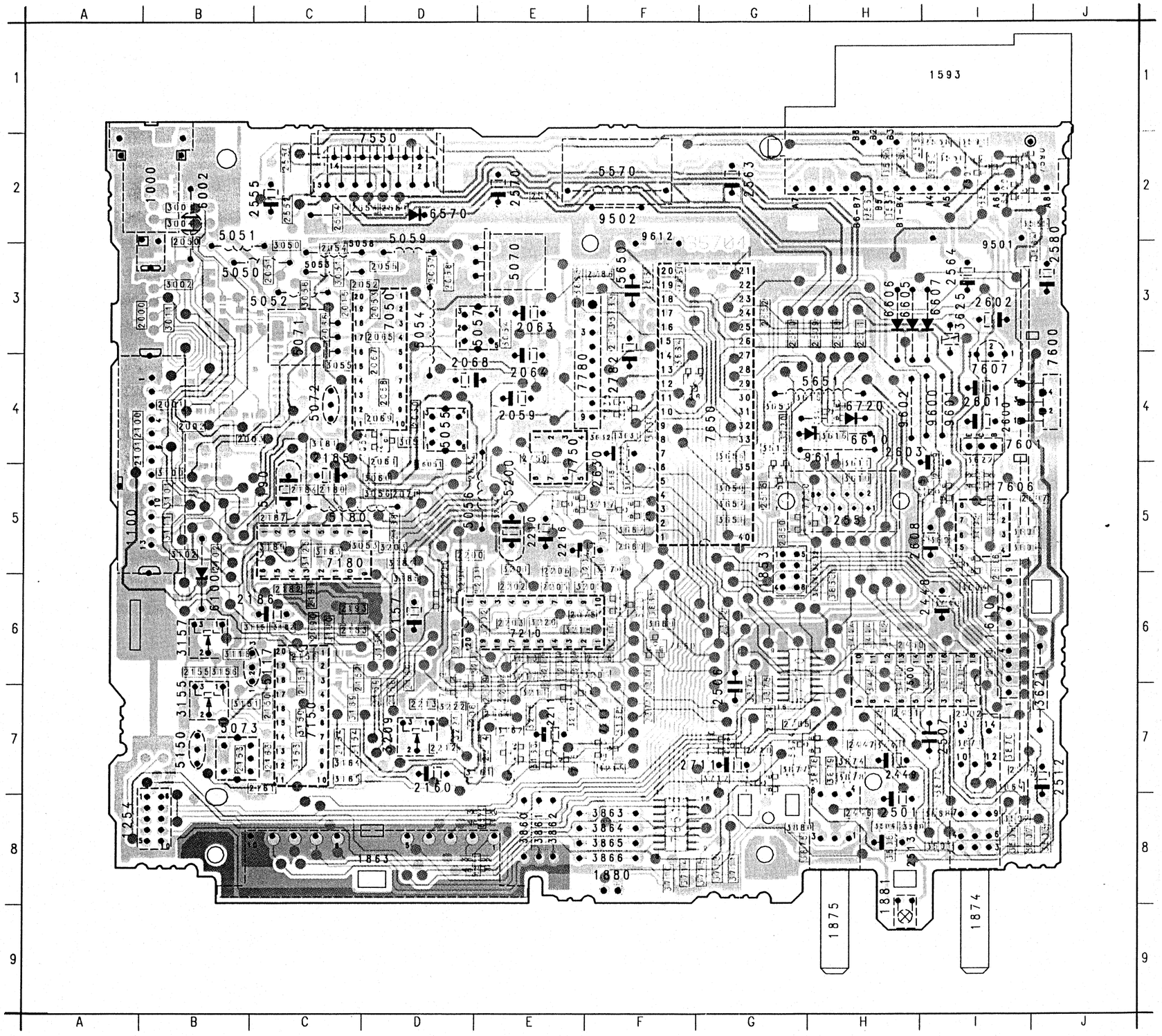
↓

AFTER EACH INCORRECT
CODE,WAITING PERIOD IS
DOUBLED : 1,2,4,8 mn WITH
A MAXIMUM OF 32 mn

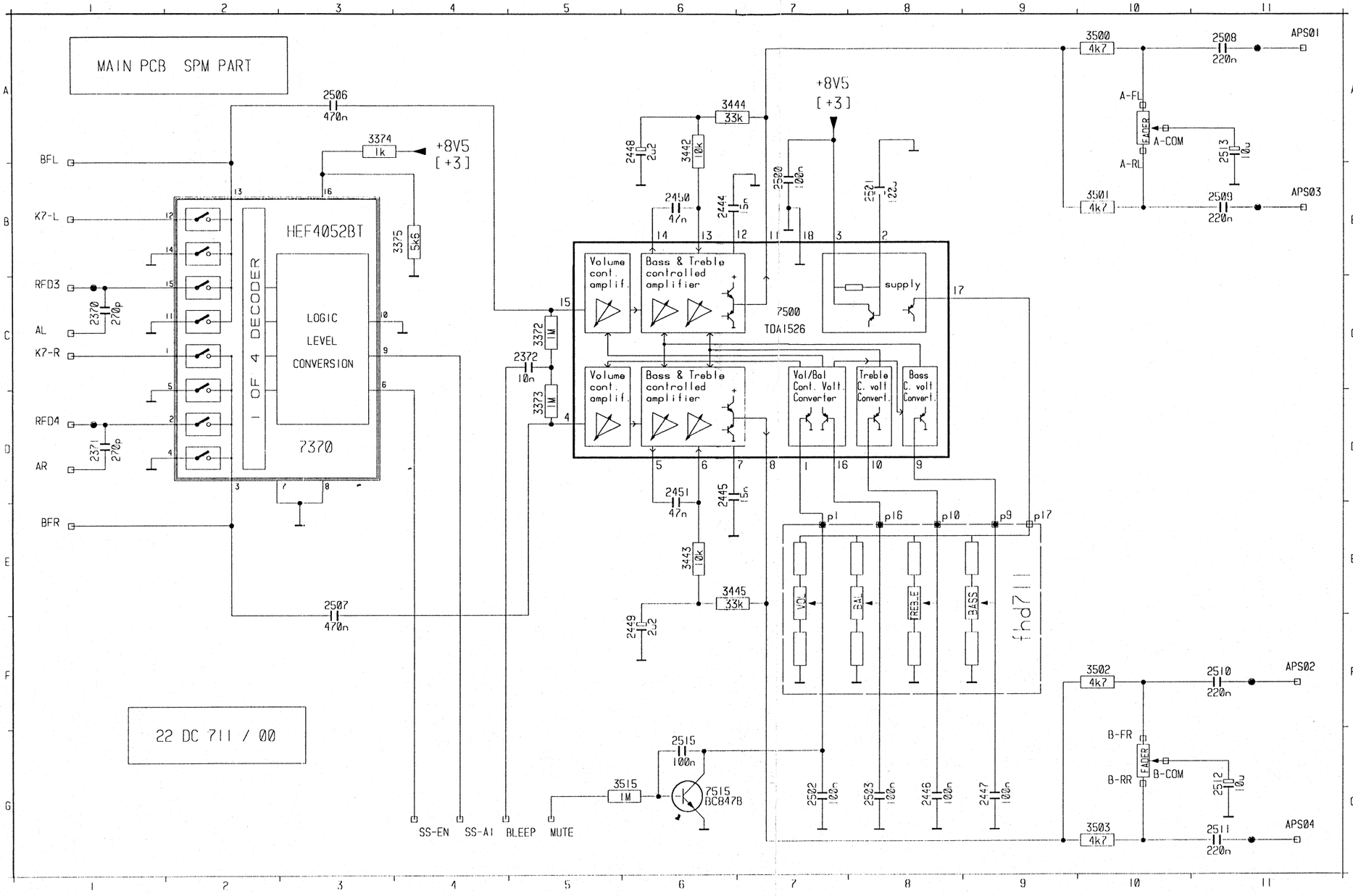
↓

DURING WAITING PERIOD
DISPLAY SHOWS WAIT
AND EVERY ACTION IS
REFUSED

# PCB MAIN PANEL

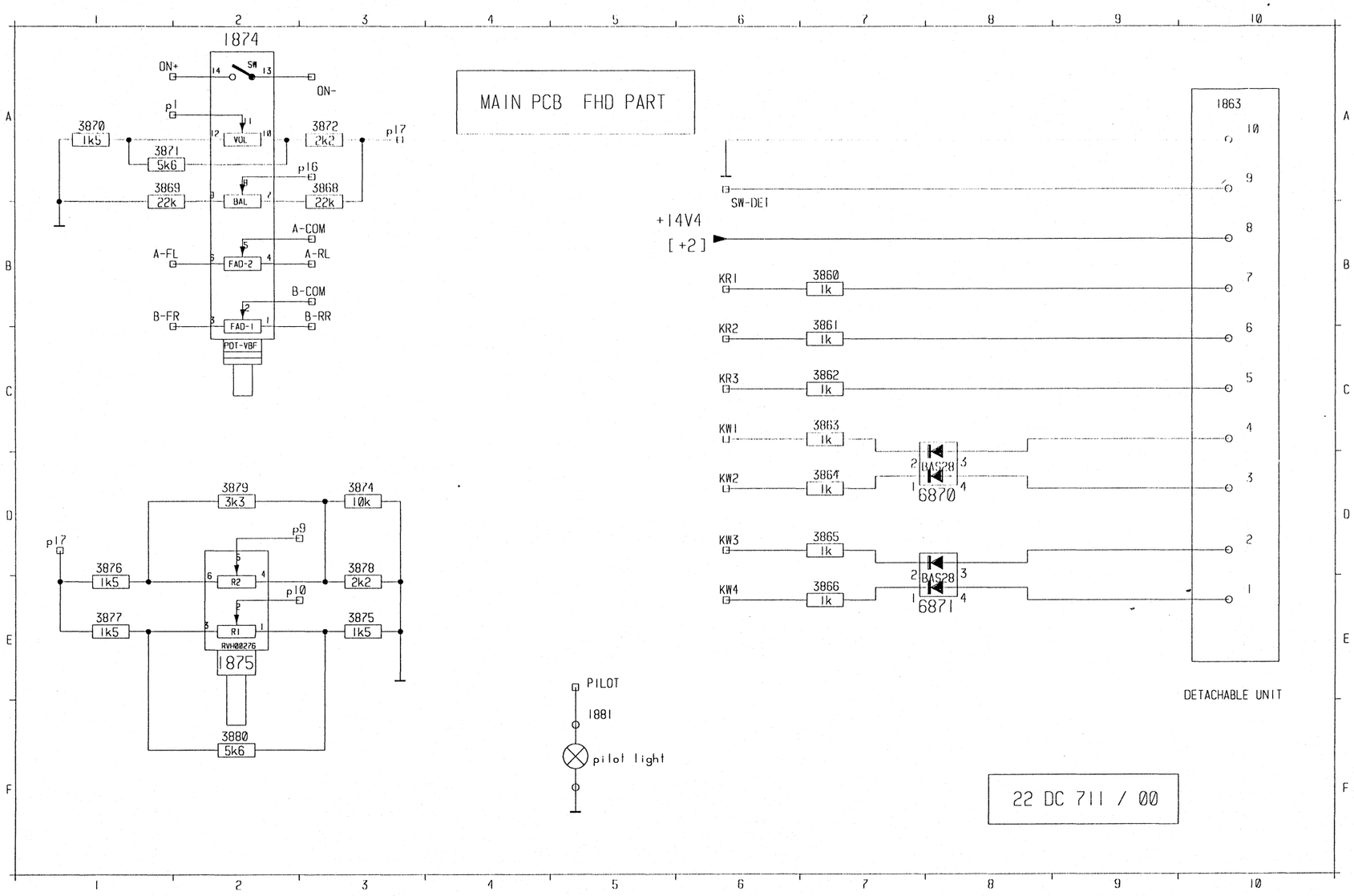



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1000 | 2B | 2451 | 7H | 3200 | 6D | 3862 | 8E | 9611 | 4H |
| 1100 | 5A | 2500 | 6I | 3201 | 5E | 3863 | 8F | 9612 | 2F |
| 1254 | 8A | 2501 | 8H | 3202 | 6E | 3864 | 8F | | |
| 1255 | 5H | 2502 | 7I | 3203 | 5D | 3865 | 8F | | |
| 1593 | 1I | 2503 | 7I | 3204 | 5F | 3866 | 8F | | |
| 1610 | 6I | 2506 | 7G | 3205 | 6F | 3868 | 8I | | |
| 1853 | 5G | 2507 | 7I | 3206 | 6F | 3869 | 7I | | |
| 1863 | 8D | 2508 | 3H | 3207 | 6E | 3870 | 7I | | |
| 1874 | 9I | 2509 | 3H | 3208 | 7E | 3871 | 7I | | |
| 1875 | 9H | 2510 | 3G | 3209 | 7D | 3872 | 7I | | |
| 1880 | 8F | 2511 | 3H | 3210 | 7E | 3874 | 7H | | |
| 1881 | 8H | 2512 | 7J | 3211 | 7E | 3875 | 8G | | |
| 2000 | 3B | 2513 | 8H | 3212 | 6E | 3876 | 7H | | |
| 2001 | 4B | 2515 | 5G | 3213 | 6E | 3877 | 7G | | |
| 2002 | 4B | 2550 | 2C | 3214 | 5E | 3878 | 7H | | |
| 2003 | 4C | 2551 | 2D | 3215 | 7F | 3879 | 7H | | |
| 2015 | 3C | 2552 | 2C | 3216 | 7E | 3880 | 8G | | |
| 2050 | 2B | 2553 | 2D | 3217 | 6E | 5050 | 3B | | |
| 2051 | 3C | 2554 | 2C | 3218 | 6E | 5051 | 2B | | |
| 2052 | 3D | 2555 | 2C | 3219 | 6F | 5052 | 3C | | |
| 2053 | 3D | 2556 | 2H | 3220 | 6E | 5053 | 3C | | |
| 2054 | 3C | 2558 | 2I | 3221 | 7D | 5054 | 3D | | |
| 2055 | 3D | 2560 | 2H | 3222 | 7D | 5055 | 4D | | |
| 2056 | 3D | 2562 | 2I | 3372 | 6I | 5056 | 5D | | |
| 2057 | 3D | 2563 | 2G | 3373 | 6I | 5057 | 3E | | |
| 2058 | 4D | 2564 | 3I | 3374 | 7G | 5058 | 3D | | |
| 2059 | 4E | 2570 | 2E | 3375 | 7G | 5059 | 2D | | |
| 2060 | 4D | 2574 | 2E | 3400 | 6I | 5070 | 3E | | |
| 2061 | 4D | 2580 | 3J | 3440 | 6I | 5071 | 3C | | |
| 2062 | 5E | 2600 | 4I | 3441 | 7H | 5072 | 4C | | |
| 2063 | 3E | 2601 | 4I | 3442 | 6H | 5073 | 7B | | |
| 2064 | 4E | 2602 | 3I | 3443 | 6H | 5117 | 6C | | |
| 2065 | 3D | 2603 | 4H | 3444 | 6H | 5150 | 7B | | |
| 2066 | 3C | 2606 | 5I | 3445 | 6H | 5180 | 5C | | |
| 2067 | 4D | 2607 | 5J | 3500 | 8H | 5190 | 5C | | |
| 2068 | 4D | 2608 | 5I | 3501 | 8I | 5200 | 5E | | |
| 2069 | 4D | 2609 | 5I | 3502 | 8I | 5570 | 2F | | |
| 2070 | 5D | 2630 | 5F | 3503 | 8J | 5650 | 3F | | |
| 2075 | 6F | 2650 | 3F | 3504 | 8H | 5651 | 4H | | |
| 2076 | 6F | 2651 | 3F | 3505 | 8H | 6002 | 2B | | |
| 2100 | 4B | 2652 | 3G | 3506 | 8I | 6051 | 5D | | |
| 2101 | 4B | 2660 | 5F | 3507 | 8J | 6100 | 6B | | |
| 2102 | 5B | 2710 | 7G | 3515 | 4G | 6150 | 7E | | |
| 2150 | 7C | 2711 | 7G | 3556 | 2H | 6201 | 6F | | |
| 2151 | 6C | 2750 | 4E | 3558 | 2I | 6570 | 2D | | |
| 2152 | 6C | 2782 | 4F | 3560 | 2H | 6590 | 2I | | |
| 2153 | 7B | 2783 | 3F | 3562 | 2I | 6600 | 5I | | |
| 2154 | 7C | 2784 | 7G | 3564 | 3J | 6605 | 3H | | |
| 2155 | 6B | 2785 | 7G | 3565 | 2J | 6606 | 3H | | |
| 2156 | 6C | 2786 | 3F | 3590 | 2I | 6607 | 3I | | |
| 2157 | 6D | 2850 | 5G | 3591 | 2I | 6610 | 4H | | |
| 2158 | 7D | 3002 | 3B | 3600 | 5I | 6720 | 4H | | |
| 2159 | 6D | 3003 | 2E | 3601 | 5I | 6870 | 8E | | |
| 2160 | 7D | 3004 | 2B | 3602 | 5I | 6871 | 8E | | |
| 2161 | 7C | 3011 | 3B | 3603 | 5I | 6874 | 7G | | |
| 2163 | 7C | 3050 | 3C | 3604 | 6I | 6875 | 5F | | |
| 2164 | 7E | 3051 | 3C | 3605 | 5I | 7050 | 3D | | |
| 2180 | 5C | 3052 | 4D | 3610 | 5H | 7052 | 4D | | |
| 2182 | 6C | 3053 | 5D | 3611 | 5H | 7150 | 7C | | |
| 2183 | 6C | 3054 | 3E | 3615 | 4H | 7152 | 7E | | |
| 2184 | 5C | 3055 | 4C | 3616 | 4H | 7180 | 5C | | |
| 2185 | 4C | 3056 | 5D | 3621 | 7J | 7200 | 5D | | |
| 2186 | 6C | 3058 | 3C | 3622 | 4I | 7202 | 7F | | |
| 2187 | 5C | 3060 | 5D | 3625 | 3I | 7210 | 6E | | |
| 2188 | 5D | 3100 | 5B | 3630 | 4F | 7211 | 7F | | |
| 2190 | 6C | 3101 | 5B | 3631 | 4F | 7212 | 7D | | |
| 2191 | 6C | 3102 | 5B | 3632 | 4F | 7370 | 6G | | |
| 2193 | 6C | 3111 | 5B | 3633 | 4F | 7500 | 7H | | |
| 2200 | 5D | 3115 | 6C | 3650 | 5G | 7515 | 5G | | |
| 2201 | 6E | 3116 | 6B | 3651 | 5G | 7550 | 2D | | |
| 2202 | 6E | 3125 | 5C | 3652 | 5G | 7590 | 2J | | |
| 2203 | 6E | 3150 | 7C | 3653 | 4G | 7591 | 2I | | |
| 2204 | 7E | 3151 | 7B | 3654 | 5F | 7600 | 3J | | |
| 2205 | 6E | 3153 | 7C | 3655 | 5F | 7601 | 4I | | |
| 2206 | 5E | 3154 | 7C | 3656 | 4G | 7604 | 5I | | |
| 2207 | 6E | 3155 | 7B | 3660 | 6F | 7605 | 5I | | |
| 2208 | 6E | 3156 | 6B | 3661 | 6F | 7606 | 5I | | |
| 2209 | 7E | 3157 | 6B | 3662 | 5F | 7607 | 4I | | |
| 2210 | 5E | 3158 | 6D | 3663 | 3E | 7611 | 4H | | |
| 2211 | 7E | 3159 | 7D | 3664 | 4F | 7630 | 4F | | |
| 2212 | 7D | 3161 | 7E | 3710 | 8F | 7650 | 4G | | |
| 2213 | 7D | 3162 | 7E | 3711 | 8G | 7651 | 8F | | |
| 2214 | 7E | 3163 | 7E | 3712 | 7G | 7660 | 6F | | |
| 2215 | 6D | 3164 | 7C | 3713 | 8G | 7661 | 4G | | |
| 2216 | 5E | 3165 | 7C | 3714 | 8F | 7710 | 7G | | |
| 2370 | 6F | 3166 | 7F | 3715 | 8G | 7711 | 7G | | |
| 2371 | 7F | 3169 | 7C | 3716 | 5F | 7712 | 5E | | |
| 2372 | 6G | 3170 | 5F | 3717 | 5F | 7720 | 5H | | |
| 2444 | 6H | 3180 | 5C | 3720 | 4G | 7750 | 4E | | |
| 2445 | 7H | 3181 | 4C | 3783 | 3F | 7780 | 4F | | |
| 2446 | 8H | 3182 | 6C | 3852 | 5H | 9501 | 3I | | |
| 2447 | 7H | 3183 | 5C | 3853 | 6H | 9502 | 2F | | |
| 2448 | 6I | 3184 | 5D | 3854 | 6H | 9600 | 4I | | |
| 2449 | 7H | 3185 | 6D | 3860 | 8E | 9601 | 4I | | |
| 2450 | 6H | 3190 | 6C | 3861 | 8E | 9602 | 4H | | |




| | | | |
|---|---|---|---|
| | 2370 | C | 1 |
| | 2371 | D | 1 |
| | 2372 | C | 5 |
| | 2444 | B | 7 |
| | 2445 | D | 7 |
| A | 2446 | G | 8 |
| | 2447 | G | 9 |
| | 2448 | A | 6 |
| | 2449 | F | 6 |
| | 2450 | B | 6 |
| | 2451 | D | 6 |
| | 2500 | B | 7 |
| | 2501 | B | 8 |
| | 2502 | G | 7 |
| | 2503 | G | 8 |
| B | 2506 | A | 3 |
| | 2507 | E | 3 |
| | 2508 | A | 11 |
| | 2509 | B | 11 |
| | 2510 | F | 11 |
| | 2511 | G | 11 |
| | 2512 | G | 11 |
| | 2513 | A | 11 |
| | 2515 | G | 6 |
| C | 3372 | D | 5 |
| | 3373 | D | 5 |
| | 3374 | A | 4 |
| | 3375 | B | 4 |
| | 3442 | A | 6 |
| | 3443 | E | 6 |
| D | 3444 | A | 7 |
| | 3445 | E | 7 |
| | 3500 | A | 10 |
| | 3501 | B | 10 |
| | 3502 | F | 10 |
| | 3503 | G | 10 |
| | 3515 | G | 6 |
| | 7370 | D | 3 |
| | 7500 | C | 7 |
| | 7515 | G | 6 |

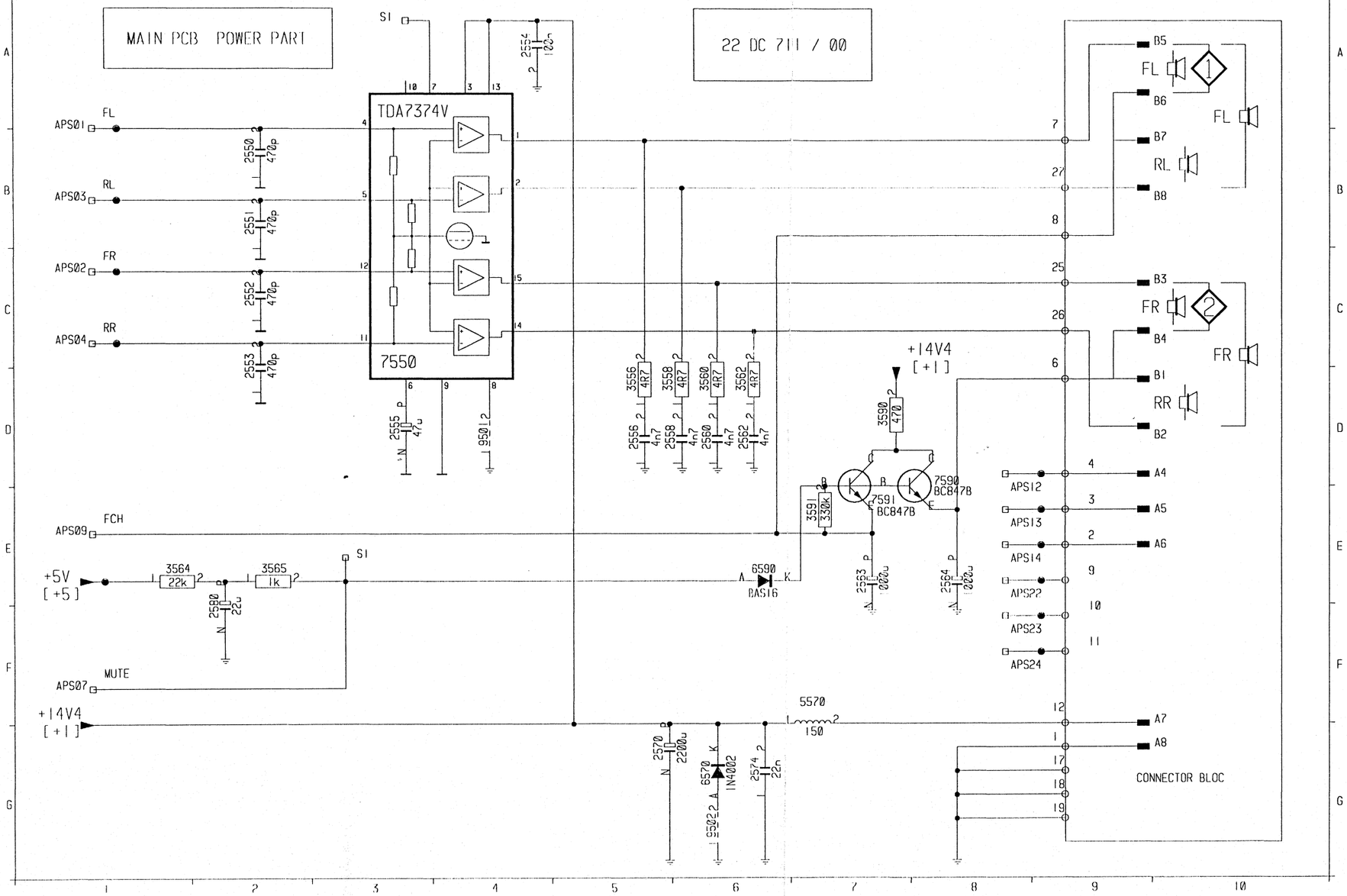
# MAIN PCB FHD PART




| | | |
|---|---|---|
| | 1874 | A 2 |
| | 1875 | E 2 |
| | 1881 | F 5 |
| | 3860 | B 7 |
| | 3861 | C 7 |
| A | 3862 | C 7 |
| | 3863 | C 7 |
| | 3864 | D 7 |
| | 3865 | D 7 |
| | 3866 | E 7 |
| | 3868 | A 3 |
| | 3869 | A 2 |
| | 3870 | A 1 |
| | 3871 | A 2 |
| | 3872 | A 3 |
| B | 3874 | D 3 |
| | 3875 | E 3 |
| | 3876 | D 1 |
| | 3877 | E 1 |
| | 3878 | D 3 |
| | 3879 | D 2 |
| | 3880 | F 2 |
| | 6870 | D 7 |
| C | 6871 | E 7 |

MAIN PCB POWER PART

22 DC 711 / 00




| | | |
|---|---|---|
| 1593 | A | 9 |
| 2550 | B | 2 |
| 2551 | B | 2 |
| 2552 | C | 2 |
| 2553 | C | 2 |
| 2554 | A | 4 |
| 2555 | D | 3 |
| 2556 | D | 5 |
| 2558 | D | 5 |
| 2560 | D | 6 |
| 2562 | D | 6 |
| 2563 | E | 7 |
| 2564 | E | 8 |
| 2570 | G | 5 |
| 2574 | G | 6 |
| 2580 | E | 1 |
| 3556 | D | 5 |
| 3558 | D | 5 |
| 3560 | D | 6 |
| 3562 | D | 6 |
| 3564 | E | 1 |
| 3565 | E | 2 |
| 3590 | D | 7 |
| 3591 | E | 6 |
| 5570 | F | 6 |
| 6570 | G | 6 |
| 6590 | E | 6 |
| 7550 | C | 3 |
| 7590 | D | 7 |
| 7591 | E | 7 |
| 9501 | D | 4 |
| 9502 | G | 6 |

| Miscellaneous | | |
|---|---|---|
| 1100 | 4822 210 10305 | TUNER |
| 1860 | 4822 276 13103 | SWITCH |
| 1861 | 4822 276 13103 | SWITCH |
| 1862 | 4822 276 13103 | SWITCH |
| 1863 | 4822 276 13103 | SWITCH |
| 1864 | 4822 276 13103 | SWITCH |
| 1865 | 4822 276 13103 | SWITCH |
| 1866 | 4822 276 13103 | SWITCH |
| 1867 | 4822 276 13103 | SWITCH |
| 1868 | 4822 276 13103 | SWITCH |
| 1869 | 4822 276 13103 | SWITCH |
| 1870 | 4822 276 13103 | SWITCH |
| 1871 | 4822 276 13103 | SWITCH |
| 1874 | 4822 100 30171 | Pot. ON / OFF, Vol. |
| 1875 | 4822 100 20855 | Pot. Bass / Treble |

| | | |
|---|---|---|
| 2000 | 4822 051 20008 | 0R00 5% 0,1W |
| 2001 | 4822 051 20008 | 0R00 5% 0,1W |
| 2002 | 4822 051 20008 | 0R00 5% 0,1W |
| 2003 | 4822 051 20008 | 0R00 5% 0,1W |
| 2015 | 5322 122 34098 | 10nF 10% |
| 2050 | 4822 122 32442 | 10nF 50V |
| 2051 | 5322 122 32287 | 4,7pF 5%NP0 50V |
| 2052 | 5322 122 32448 | 10pF 5% 50V |
| 2053 | 5322 122 32659 | 33pF 5% 50V |
| 2054 | 4822 122 33514 | 68pF 5%NP0 50V |
| 2055 | 4822 122 33515 | 82pF 5%NP0 63V |
| 2056 | 4822 122 33514 | 68pF 5%NP0 50V |
| 2057 | 5322 122 34098 | 10nF 10% |
| 2058 | 4822 122 32916 | 220nF10%X7R 63V |
| 2059 | 4822 124 23624 | 47UF20% 16V |
| 2060 | 4822 122 33216 | 270pF 5%NP0 50V |
| 2061 | 5322 122 32654 | 22pF 10% |
| 2062 | 4822 122 33216 | 270pF 5%NP0 50V |
| 2063 | 4822 124 41969 | 1UF20% 50V |
| 2064 | 4822 124 23624 | 47UF20% 16V |
| 2065 | 4822 122 33496 | 100nF10%X7R 63V |
| 2066 | 5322 122 32658 | 22pF 5% 50V |
| 2067 | 4822 122 33496 | 100nF10%X7R 63V |
| 2068 | 4822 124 23624 | 47UF20% 16V |
| 2069 | 5322 122 34098 | 10nF 10% |
| 2070 | 5322 122 32654 | 22nF 10% |
| 2075 | 4822 122 33496 | 100nF10%X7R 63V |
| 2076 | 4822 122 33496 | 100nF10%X7R 63V |
| 2100 | 5322 122 32654 | 22nF 10% |
| 2101 | 5322 122 34098 | 10nF 10% |
| 2102 | 5322 122 34098 | 10nF 10% |
| 2150 | 4822 122 33496 | 100nF10%X7R 63V |
| 2151 | 4822 122 32542 | 47nF10%X7R 63V |
| 2152 | 4822 122 32542 | 47nF10%X7R 63V |
| 2153 | 4822 122 33515 | 82pF 5%NP0 63V |
| 2154 | 5322 122 32654 | 22nF 10% |
| 2155 | 4822 122 33496 | 100nF10%X7R 63V |
| 2156 | 4822 122 32542 | 47nF10%X7R 63V |
| 2157 | 4822 124 23624 | 47UF20% 16V |
| 2158 | 5322 126 10223 | 4,7nF 10% X7R 63V |
| 2159 | 5322 126 10223 | 4,7nF 10% X7R 63V |
| 2160 | 4822 124 40244 | 2,2UF20% 63V |

| | | |
|---|---|---|
| 2161 | 4822 122 33181 | 150pF 5% NP0 50V |
| 2163 | 4822 122 33514 | 68pF 5%NP0 50V |
| 2164 | 4822 122 33498 | 2,7nF10%X7R 63V |
| 2180 | 5322 122 32654 | 22nF 10% |
| 2182 | 4822 122 32891 | 68nF10%X7R 63V |
| 2183 | 4822 122 32916 | 220nF10%X7R 63V |
| 2184 | 5322 122 32654 | 22nF 10% |
| 2185 | 4822 124 23624 | 47UF20% 16V |
| 2186 | 4822 124 23624 | 47UF20% 16V |
| 2187 | 5322 122 32659 | 33pF 5% 50V |
| 2188 | 5322 122 32654 | 22nF 10% |
| 2190 | 4822 122 32542 | 47nF10%X7R 63V |
| 2191 | 4822 122 32597 | 6,8nF10%X7R 63V |
| 2193 | 4822 122 32916 | 220nF10%X7R 63V |
| 2200 | 4822 122 32916 | 220nF10%X7R 63V |
| 2201 | 5322 122 32654 | 22nF 10% |
| 2202 | 4822 122 33496 | 100nF10%X7R 63V |
| 2203 | 4822 122 31768 | 180pF 2%NP0 63V |
| 2204 | 5322 122 32268 | 470pF 10% 50V |
| 2205 | 5322 122 32268 | 470pF 10% 50V |
| 2206 | 5322 122 32654 | 22nF 10% |
| 2207 | 5322 122 31866 | 6,8nF10%X7R 63V |
| 2208 | 5322 122 31866 | 6,8nF10%X7R 63V |
| 2209 | 4822 122 33496 | 100nF10%X7R 63V |
| 2210 | 4822 124 23624 | 47UF20% 16V |
| 2211 | 4822 124 23432 | 100UF 20% 10V |
| 2212 | 4822 122 31766 | 120pF 2%NP0 63V |
| 2213 | 4822 122 32916 | 220nF 10% X7R 63V |
| 2214 | 4822 122 32916 | 220nF10%X7R 63V |
| 2215 | 4822 122 33216 | 270pF 5%NP0 50V |
| 2216 | 4822 124 41972 | 4,7nF 20% 35V |
| 2250 | 4822 126 10333 | 560pF 10% |
| 2251 | 4822 126 10333 | 560pF 10% |
| 2252 | 4822 126 10333 | 560pF 10% |
| 2253 | 4822 126 10333 | 560pF 10% |
| 2254 | 4822 122 32627 | 2,7nF 10% |
| 2255 | 4822 122 32627 | 2,7nF 10% |
| 2259 | 4822 124 22403 | 10UF 20% 16V |
| 2265 | 4822 124 23432 | 100UF20% 10V |
| 2266 | 5322 122 32654 | 22nF 10% |
| 2268 | 4822 124 23432 | 100UF20% 10V |
| 2269 | 4822 124 23432 | 100UF20% 10V |
| 2370 | 4822 122 33216 | 270pF 5% FROM W240 |
| 2371 | 4822 122 33216 | 270pF 5% FROM W240 |
| 2372 | 5322 122 34098 | 10nF 10% |
| 2444 | 4822 122 33128 | 15nF10% X7R 63V |
| 2445 | 4822 122 33128 | 15nF10% X7R 63V |
| 2446 | 4822 122 33496 | 100nF10%X7R 63V |
| 2447 | 4822 122 33496 | 100nF10%X7R 63V |
| 2448 | 4822 124 40244 | 2,2UF 20% |
| 2449 | 4822 124 40244 | 2,2UF 20% |
| 2450 | 4822 122 32542 | 47nF 10% FROM W240 |
| 2451 | 4822 122 32542 | 47nF 10% FROM W240 |
| 2500 | 4822 122 33496 | 100nF10%X7R 63V |
| 2501 | 4822 124 23432 | 100UF20% 10V |
| 2502 | 4822 122 33496 | 100nF10%X7R 63V |
| 2503 | 4822 122 33496 | 100nF10%X7R 63V |
| 2506 | 4822 121 51252 | 470nF 5% 63V |
| 2507 | 4822 121 51252 | 470nF 5% 63V |



| | | |
|---|---|---|
| 2508 | 4822 122 32916 | 220nF10% X7R 63V |
| 2509 | 4822 122 32916 | 220nF10% X7R 63V |
| 2510 | 4822 122 32916 | 220nF10% X7R 63V |
| 2511 | 4822 122 32916 | 220nF10% X7R 63V |
| 2512 | 4822 124 22403 | 10UF 20% 16V |
| 2513 | 4822 124 22403 | 10UF 20% 16V |
| 2515 | 4822 122 33496 | 100nF10% X7R 63V |
| 2550 | 5322 122 32268 | 470pF 10% 50V |
| 2551 | 5322 122 32268 | 470pF 10% 50V |
| 2552 | 5322 122 32268 | 470pF 10% 50V |
| 2553 | 5322 122 32268 | 470pF 10% 50V |
| 2554 | 4822 122 33496 | 100nF10% X7R 63V |
| 2555 | 4822 124 23624 | 47UF20% 16V |
| 2556 | 5322 126 10223 | 4,7nF10% X7R 63V |
| 2558 | 5322 126 10223 | 4,7nF10% X7R 63V |
| 2560 | 5322 126 10223 | 4,7nF10% X7R 63V |
| 2562 | 5322 126 10223 | 4,7nF10% X7R 63V |
| 2563 | 4822 124 40201 | 1000UF20% 16V |
| 2564 | 4822 124 40201 | 1000UF20% 16V |
| 2570 | 4822 124 40723 | 2200UF20% 16V |
| 2574 | 5322 122 32654 | 22nF 10% |
| 2575 | 4822 122 32142 | 270pF 2% NP0 63V |
| 2576 | 4822 122 32142 | 270pF 2% NP0 63V |
| 2580 | 4822 124 41796 | 22UF20% 16V |
| 2600 | 4822 124 22403 | 10UF 20% 16V |
| 2601 | 4822 124 23432 | 100UF 20% 16V |
| 2602 | 4822 124 23432 | 100UF20% 10V |
| 2603 | 4822 124 23624 | 47UF20% 16V |
| 2606 | 4822 122 33496 | 100nF10% X7R 63V |
| 2607 | 4822 122 33498 | 2,7nF10% X7R 63V |
| 2608 | 4822 124 40244 | 2,2UF20% 63V |
| 2609 | 4822 122 33496 | 100nF 10% FROM W240 |
| 2630 | 4822 124 41796 | 22UF20% 16V |
| 2650 | 5322 122 32659 | 33pF 5% 50V |
| 2651 | 5322 122 32659 | 33pF 5% 50V |
| 2652 | 4822 122 33496 | 100nF10% X7R 63V |
| 2660 | 5322 122 32654 | 22nF 10% |
| 2700 | 4822 122 33515 | 82pF 5% NPO 63V |
| 2701 | 4822 122 33496 | 100nF10% X7R 63V |
| 2702 | 4822 124 40244 | 2,2UF20% 63V |
| 2703 | 4822 126 10333 | 560pF 10% X7R63V |
| 2704 | 5322 122 32452 | 47pF 5% NPO 63V |
| 2705 | 4822 122 33515 | 82pF 5% NPO 63V |
| 2710 | 5322 122 32654 | 22nF 10% |
| 2711 | 4822 124 41969 | 1UF20% 50V |
| 2750 | 4822 122 33496 | 100nF10% X7R 63V |
| 2752 | 4822 122 33496 | 100nF10% X7R 63V |
| 2753 | 4822 122 33496 | 100nF10% X7R 63V |
| 2759 | 4822 122 33496 | 100nF10% X7R 63V |
| 2760 | 4822 122 33496 | 100nF10% X7R 63V |
| 2765 | 5322 122 32659 | 33pF 5% 50V |
| 2766 | 5322 122 32659 | 33pF 5% 50V |
| 2782 | 4822 124 40244 | 2,2UF 20% 63V |
| 2783 | 4822 122 32542 | 47nF10% X7R 63V |
| 2784 | 5322 122 31647 | 1nF10% X7R 63V |
| 2785 | 5322 122 31647 | 1nF10% X7R 63V |
| 2786 | 5322 122 32654 | 22nF 10% |
| 2850 | 4822 122 33496 | 100nF10% X7R 63V |

| | | |
|---|---|---|
| 3002 | 4822 051 20008 | 0R00 5% 0,1W |
| 3003 | 4822 051 20008 | 0R00 5% 0,1W |
| 3004 | 4822 051 20008 | 0R00 5% 0,1W |
| 3011 | 4822 051 20008 | 0R00 5% 0,1W |
| 3050 | 4822 051 20561 | 560R00 5% 0,1W |
| 3051 | 4822 051 20471 | 470R00 5% 0,1W |
| 3052 | 4822 051 20184 | 180K 5% 0,1W |
| 3053 | 4822 051 20472 | 4K7 5% 0,1W |
| 3054 | 4822 051 20102 | 1K 5% 0,1W |
| 3055 | 4822 051 20102 | 1K 5% 0,1W |
| 3056 | 4822 051 20273 | 27K 5% 0,1W |
| 3058 | 4822 051 20474 | 470K 5% 0,1W |
| 3060 | 4822 051 20103 | 10K 5% 0,1W |
| 3100 | 4822 051 20103 | 10K 5% 0,1W |
| 3101 | 4822 051 20109 | 10R 5% 0,1W |
| 3102 | 4822 051 20471 | 470R 5% 0,1W |
| 3111 | 4822 051 20569 | 56R 5% 0,1W |
| 3115 | 4822 051 20569 | 56R 5% 0,1W |
| 3116 | 4822 051 20102 | 1K 5% 0,1W |
| 3125 | 4822 051 20102 | 1K 5% 0,1W |
| 3150 | 4822 051 20331 | 330R 5% 0,1W |
| 3151 | 4822 051 20331 | 330R 5% 0,1W |
| 3153 | 4822 051 20222 | 2K2 5% 0,1W |
| 3154 | 4822 051 20109 | 10R 5% 0,1W |
| 3155 | 4822 100 20166 | 10K 30%LIN 0,1W |
| 3156 | 4822 051 20222 | 2K2 5% 0,1W |
| 3157 | 4822 100 20166 | 10K 30%LIN 0,1W |
| 3158 | 4822 051 20109 | 10R 5% 0,1W |
| 3159 | 4822 051 20681 | 680R 5% 0,1W |
| 3161 | 4822 051 20683 | 68K 5% 0,1W |
| 3162 | 4822 051 20222 | 2,2K 5% 0,1W |
| 3163 | 4822 051 20271 | 270R 5% 0,1W |
| 3164 | 4822 051 20102 | 1K 5% 0,1W |
| 3165 | 4822 051 20102 | 1K 5% 0,1W |
| 3166 | 4822 051 20008 | 0R 5% 0,1W |
| 3169 | 4822 051 20331 | 330R 5% 0,1W |
| 3170 | 4822 051 20008 | 0R00 5% 0,1W |
| 3180 | 4822 051 20103 | 10K 5% 0,1W |
| 3181 | 4822 051 20103 | 10K 5% 0,1W |
| 3182 | 4822 051 20331 | 330R 5% 0,1W |
| 3183 | 4822 051 20475 | 4M7 5% 0,1W |
| 3184 | 4822 051 20102 | 1K 5% 0,1W |
| 3185 | 4822 051 20102 | 1K 5% 0,1W |
| 3190 | 4822 051 20332 | 3K3 5% 0,1W |
| 3200 | 4822 051 20273 | 27K 5% 0,1W |
| 3201 | 4822 051 20104 | 100K 5% 0,1W |
| 3202 | 4822 051 20222 | 2K2 5% 0,1W |
| 3203 | 4822 051 20474 | 470K 5% 0,1W |
| 3204 | 4822 051 20105 | 1M 5% 0,1W |
| 3205 | 4822 051 20393 | 39K 5% 0,1W |
| 3206 | 4822 051 20393 | 39K 5% 0,1W |
| 3207 | 4822 051 20474 | 470K 5% 0,1W |
| 3208 | 4822 051 20273 | 27K 5% 0,1W |
| 3209 | 4822 100 11163 | 100K 30%LIN 0,1W |
| 3210 | 4822 051 20471 | 470R 5% 0,1W |
| 3211 | 4822 051 20104 | 100K 5% 0,1W |
| 3212 | 4822 051 20103 | 10K 5% 0,1W |
| 3213 | 4822 051 20681 | 680R 5% 0,1W |
| 3214 | 4822 051 20109 | 10R 5% 0,1W |

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|---|---|---|
| 3215 | 4822 051 20475 | 4M7 5% 0,1W |
| 3216 | 4822 051 20472 | 4K7 5% 0,1W |
| 3217 | 4822 051 20103 | 10K 5% 0,1W |
| 3218 | 4822 051 20472 | 4K7 5% 0,1W |
| 3219 | 4822 051 20472 | 4K7 5% 0,1W |
| 3220 | 4822 051 20104 | 100K 5% 0,1W |
| 3221 | 4822 051 20683 | 68K 5% 0,1W |
| 3222 | 4822 051 20273 | 27K 5% 0,1W |
| 3252 | 4822 051 20151 | 150R 5% 0,1W |
| 3253 | 4822 051 20151 | 150R 5% 0,1W |
| 3254 | 4822 051 20105 | 1M 5% 0,1W |
| 3255 | 4822 051 20105 | 1M 5% 0,1W |
| 3258 | 4822 051 20563 | 56K 5% 0,1W |
| 3259 | 4822 051 20563 | 56K 5% 0,1W |
| 3262 | 4822 051 20473 | 47K 5% 0,1W |
| 3372 | 4822 051 20105 | 1M 5% 0,1W |
| 3373 | 4822 051 20105 | 1M 5% 0,1W |
| 3374 | 4822 051 20102 | 1K 5% 0,1W |
| 3375 | 4822 051 20562 | 5K6 5% 0,1W |
| 3442 | 4822 051 20103 | 10K 5% 0,1W |
| 3443 | 4822 051 20103 | 10K 5% 0,1W |
| 3444 | 4822 051 20333 | 33K 5% 0,1W |
| 3445 | 4822 051 20333 | 33K 5% 0,1W |
| 3500 | 4822 051 20472 | 4K7 5% 0,1W |
| 3501 | 4822 051 20472 | 4K7 5% 0,1W |
| 3502 | 4822 051 20472 | 4K7 5% 0,1W |
| 3503 | 4822 051 20472 | 4K7 5% 0,1W |
| 3515 | 4822 051 20105 | 1M 5% 0,1W |
| 3556 | 4822 051 20478 | 4R7 5% 0,1W |
| 3558 | 4822 051 20478 | 4R7 5% 0,1W |
| 3560 | 4822 051 20478 | 4R7 5% 0,1W |
| 3562 | 4822 051 20478 | 4R7 5% 0,1W |
| 3564 | 4822 051 20223 | 22K 5% 0,1W |
| 3565 | 4822 051 20102 | 1K 5% 0,1W |
| 3590 | 4822 051 20471 | 470R 5% 0,1W |
| 3591 | 4822 051 20334 | 330K 5% 0,1W |
| 3600 | 4822 051 20184 | 180K 5% 0,1W |
| 3601 | 4822 051 20273 | 27K 5% FROM W240 |
| 3602 | 4822 051 20102 | 1K 5% 0,1W |
| 3603 | 4822 051 20103 | 10K 5% 0,1W |
| 3604 | 4822 051 20473 | 47K 5% 0,1W |
| 3605 | 4822 051 20109 | 10R 5% 0,1W |
| 3610 | 4822 051 20562 | 5K6 5% 0,1W |
| 3611 | 4822 051 20102 | 1K 5% 0,1W |
| 3615 | 4822 051 20103 | 10K 5% 0,1W |
| 3616 | 4822 051 20184 | 180K 5% 0,1W |
| 3621 | 4822 053 11331 | 330R 5% FROM W240 |
| 3622 | 4822 051 20102 | 1K 5% FROM W240 |
| 3625 | 4822 116 40216 | 4R7 |
| 3631 | 4822 051 20473 | 47K 5% 0,1W |
| 3632 | 4822 051 20473 | 47K 5% 0,1W |
| 3633 | 4822 051 20104 | 100K 5% 0,1W |
| 3650 | 4822 051 20473 | 47K 5% 0,1W |
| 3651 | 4822 051 20473 | 47K 5% 0,1W |
| 3652 | 4822 051 20473 | 47K 5% 0,1W |
| 3654 | 4822 051 20103 | 10K 5% 0,1W |
| 3655 | 4822 051 20103 | 10K 5% 0,1W |
| 3656 | 4822 051 20473 | 47K 5% 0,1W |
| 3660 | 4822 051 20103 | 10K 5% 0,1W |

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|---|---|---|
| 3661 | 4822 051 20475 | 4M7 5% 0,1W |
| 3662 | 4822 051 20334 | 330K 5% 0,1W |
| 3663 | 4822 051 20103 | 10K 5% 0,1W |
| 3664 | 4822 051 20103 | 10K 5% 0,1W |
| 3700 | 4822 051 20222 | 2K2 5% 0,1W |
| 3710 | 4822 051 20271 | 270R 5% FROM W240 |
| 3711 | 4822 051 20105 | 1M 5% 0,1W |
| 3712 | 4822 051 20105 | 1M 5% 0,1W |
| 3713 | 4822 051 20473 | 47K 5% FROM W240 |
| 3714 | 4822 051 20473 | 47K 5% FROM W240 |
| 3715 | 4822 051 20105 | 1M 5% 0,1W |
| 3716 | 4822 051 20104 | 100K 5% 0,1W |
| 3717 | 4822 051 20104 | 100K 5% 0,1W |
| 3783 | 4822 051 20334 | 330K 5% 0,1W |
| 3852 | 4822 051 20102 | 1K 5% 0,1W |
| 3853 | 4822 051 20221 | 220R 5% 0,1W |
| 3854 | 4822 051 20184 | 180K 5% 0,1W |
| 3860 | 4822 050 11002 | 1K 1% 0,4W |
| 3861 | 4822 050 11002 | 1K 1% 0,4W |
| 3862 | 4822 050 11002 | 1K 1% 0,4W |
| 3863 | 4822 050 11002 | 1K 1% 0,4W |
| 3864 | 4822 050 11002 | 1K 1% 0,4W |
| 3865 | 4822 050 11002 | 1K 1% 0,4W |
| 3866 | 4822 050 11002 | 1K 1% 0,4W |
| 3868 | 4822 051 20223 | 22K 5% FROM W240 |
| 3869 | 4822 051 20223 | 22K 5% FROM W240 |
| 3870 | 4822 051 20152 | 1K5 5% 0,1W |
| 3871 | 4822 051 20562 | 5K6 5% 0,1W |
| 3872 | 4822 051 20222 | 2K2 5% 0,1W |
| 3874 | 4822 051 20103 | 10K 5% FROM W240 |
| 3875 | 4822 051 20152 | 1K5 5% 0,1W |
| 3876 | 4822 051 20152 | 1K5 5% 0,1W |
| 3877 | 4822 051 20152 | 1K5 5% 0,1W |
| 3878 | 4822 051 20222 | 2K2 5% FROM W240 |
| 3879 | 4822 051 20332 | 3K3 5% 0,1W |
| 3880 | 4822 051 20562 | 5K6 5% 0,1W |
| 3880 | 4822 116 52215 | 220E 5% 0,5W |
| 3881 | 4822 116 52215 | 220E 5% 0,5W |
| 3882 | 4822 116 52215 | 220E 5% 0,5W |
| 4250 | 4822 051 20478 | 4R7 5% 0,1W |
| 4251 | 4822 051 20478 | 4R7 5% 0,1W |

| | | |
|---|---|---|
| 5050 | 4822 152 20677 | 10MUH 10% |
| 5051 | 4822 152 20677 | 10MUH 10% |
| 5052 | 4822 157 60122 | 4,7MUH 10% |
| 5053 | 4822 152 20677 | 10MUH 10% |
| 5054 | 4822 157 50975 | 1 MH 10% |
| 5055 | 4822 152 20682 | 6,15MUH |
| 5056 | 4822 152 20678 | 33UH 10% |
| 5057 | 4822 152 20683 | 28MUH |
| 5058 | 4822 157 52983 | 22MUH |
| 5059 | 4822 157 52983 | 22MUH |
| 5070 | 4822 242 72076 | 10,7MHz |
| 5071 | 4822 242 72076 | 10,7MHz |
| 5072 | 4822 242 71883 | SFE10,7MHz |
| 5073 | 4822 242 71883 | SFE10,7MHz |
| 5117 | 4822 242 80368 | SFE10,7MHz |
| 5150 | 4822 156 11081 | 1,47UH |
| 5180 | 4822 157 50975 | 1 mH |



| | | |
|---|---|---|
| 5190 | 4822 242 71874 | Resonator. X TL 4 MHz |
| 5200 | 4822 242 81117 | Resonator. 18KHz |
| 5570 | 4822 152 20681 | Filter assy |
| 5650 | 4822 242 81118 | Resonator. 11,5 MHz |
| 5651 | 4822 157 53338 | 1000MUH |
| 5700 | 4822 242 80259 | LN-G8-311(TPR11) |
| 5762 | 4822 242 81118 | CSA11,5MTS1 |

| | | |
|---|---|---|
| 6002 | 4822 252 60125 | DSP201 |
| 6051 | 4822 130 82596 | BB419 |
| 6100 | 4822 130 30621 | 1N4148 |
| 6150 | 5322 130 31928 | BAS16 |
| 6201 | 5322 130 31928 | BAS16 |
| 6570 | 5322 130 30684 | 1N4002 |
| 6590 | 5322 130 31928 | BAS16 |
| 6600 | 5322 130 80214 | BAS28 |
| 6605 | 4822 130 30621 | 1N4148 |
| 6606 | 4822 130 30621 | 1N4148 |
| 6607 | 5322 130 30684 | 1N4002 |
| 6610 | 4822 130 34174 | BZX79-C4V7 |
| 6870 | 5322 130 80214 | BAS28 |
| 6871 | 5322 130 80214 | BAS28 |
| 6874 | 5322 130 31928 | BAS16 |
| 6875 | 5322 130 31928 | BAS16 |
| 6880 | 4822 130 82989 | TLHO2400 |
| 6881 | 4822 130 82989 | TLHO2400 |
| 6882 | 4822 130 82989 | TLHO2400 |
| 6883 | 4822 130 82989 | TLHO2400 |
| 6884 | 4822 130 82989 | TLHO2400 |
| 6885 | 4822 130 82989 | TLHO2400 |
| 6886 | 4822 130 82989 | TLHO2400 |
| 6887 | 4822 130 82989 | TLHO2400 |
| 6888 | 4822 130 82989 | TLHO2400 |
| 6889 | 4822 130 82989 | TLHO2400 |
| 6890 | 4822 130 82989 | TLHO2400 |
| 6891 | 4822 130 82989 | TLHO2400 |

| | | |
|---|---|---|
| 7050 | 4822 209 72247 | TEA6200/V2 |
| 7052 | 5322 130 41983 | BC858B |
| 7150 | 4822 209 73507 | TEA6100/N3 |
| 7152 | 4822 130 60511 | BC847B |
| 7180 | 4822 209 30858 | TSA6057/C1 |
| 7200 | 4822 130 60511 | BC847B |
| 7202 | 5322 130 41983 | BC858B |
| 7210 | 4822 209 30859 | TDA1591/V3 |
| 7211 | 4822 130 63087 | BF545A |
| 7212 | 4822 130 60511 | BC847B |
| 7250 | 4822 209 63939 | TA7705F |
| 7370 | 5322 209 11102 | HEF4052BT |
| 7500 | 4822 209 31193 | TDA1526 |
| 7515 | 4822 130 60511 | BC847B |
| 7550 | 4822 209 31132 | TDA7374V |
| 7590 | 4822 130 60511 | BC847B |
| 7591 | 4822 130 60511 | BC847B |
| 7600 | 4822 209 63938 | L4918 |
| 7601 | 4822 130 62651 | ON4414 |
| 7604 | 4822 130 60511 | BC847B |

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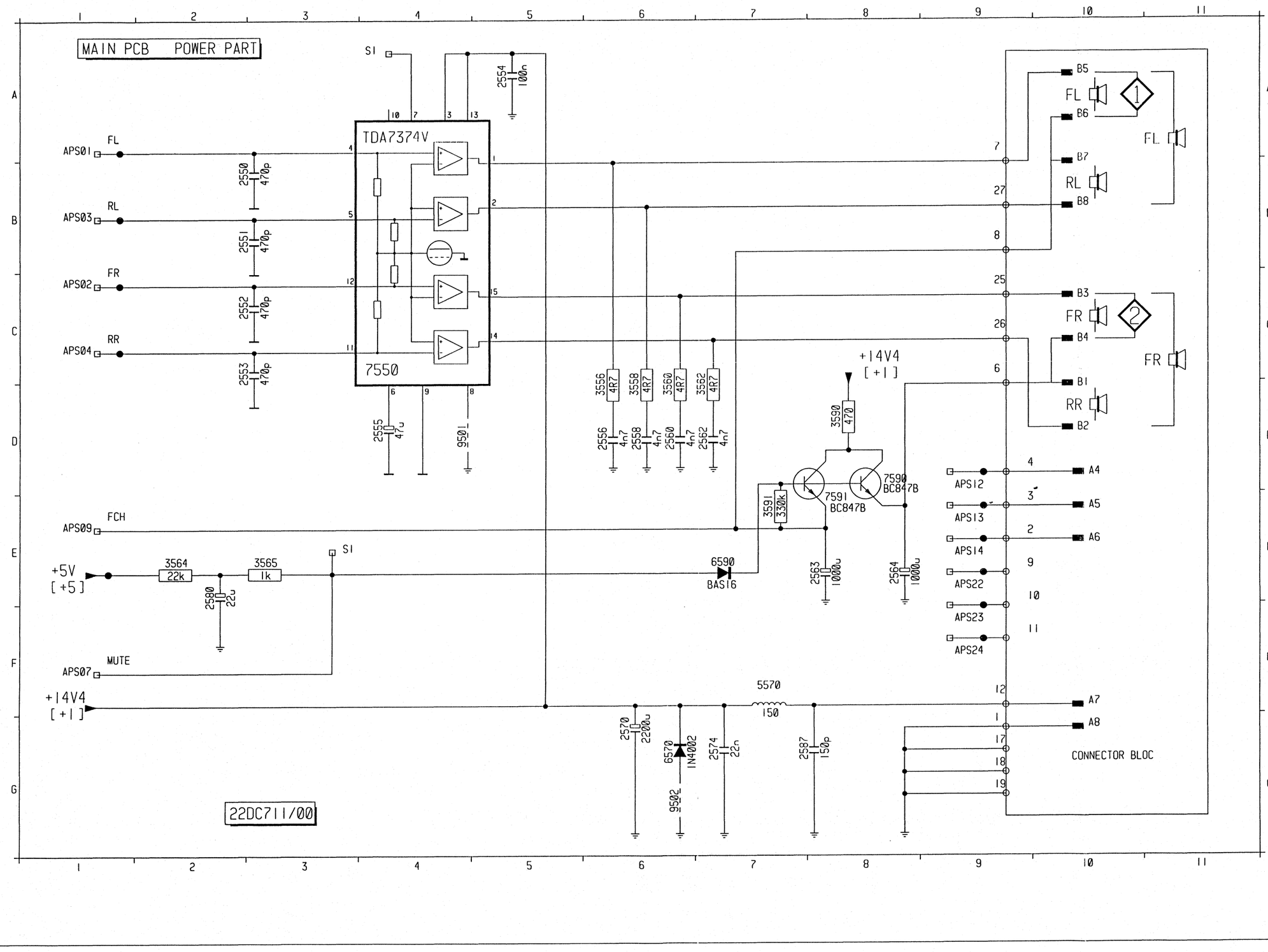
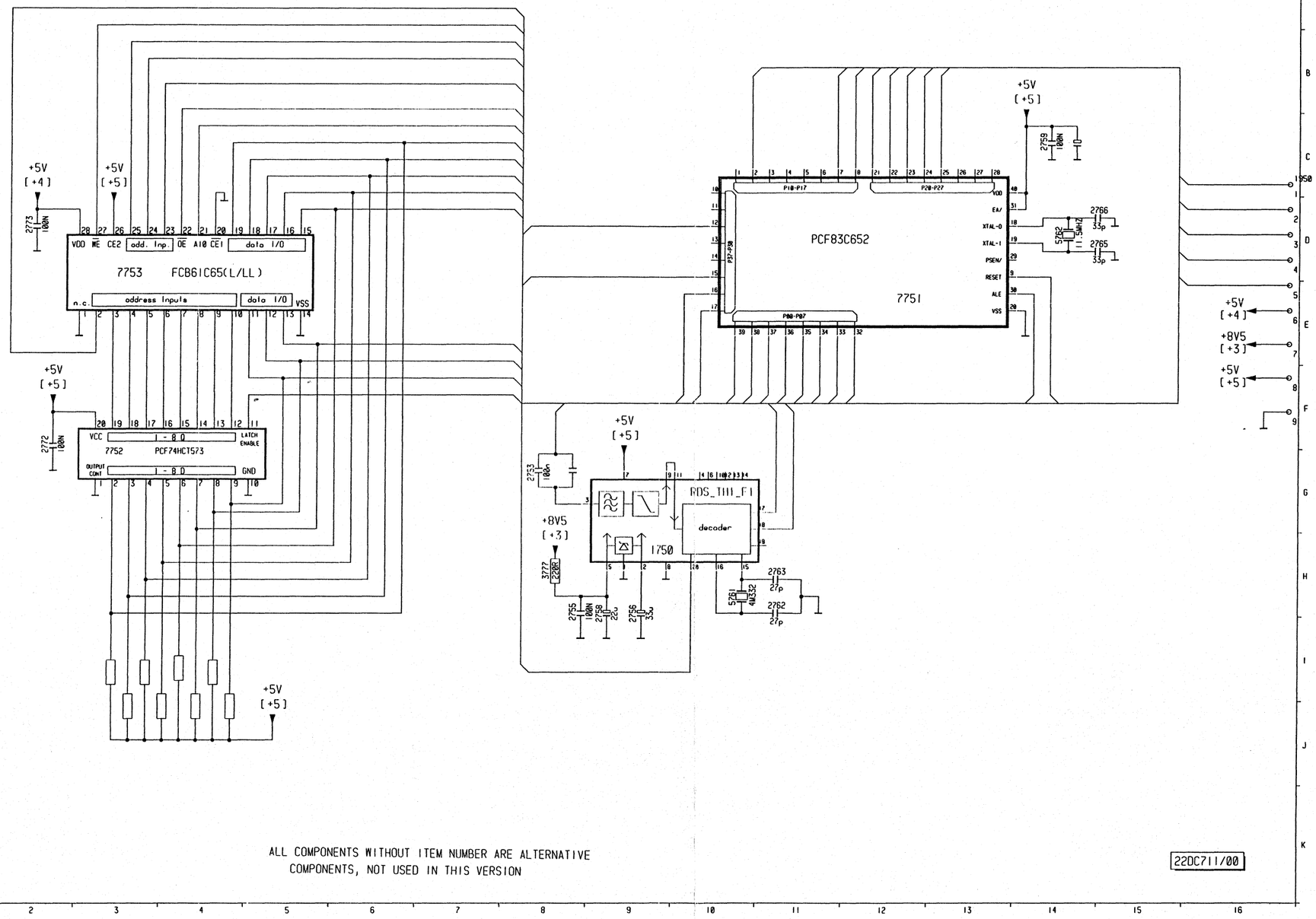
|---|---|---|
| 7605 | 5322 130 41983 | BC858B |
| 7606 | 4822 209 31373 | L4949 |
| 7607 | 5322 209 60749 | LM2931Z-5.0 |
| 7611 | 5322 130 41983 | BC858B |
| 7630 | 4822 130 60511 | BC847B |
| 7650 | 4822 209 31371 | UP PCF83C528 OTP MAI |
| 7651 | 5322 209 11306 | HEF4094BT |
| 7660 | 4822 130 60511 | BC847B |
| 7661 | 4822 130 60511 | BC847B |
| 7710 | 4822 130 60511 | BC847B |
| 7711 | 4822 130 60511 | BC847B |
| 7712 | 5322 130 41983 | BC858B |
| 7750 | 4822 900 10322 | SEC CODE MEM X24C16P |
| 7751 | 4822 209 31982 | P83CE654FFB/501 |
| 7752 | 5322 209 60424 | PC74HC573T |
| 7753 | 4822 209 31163 | FCF61C65LL-85T |
| 7754 | 4822 209 31981 | SAA6579T |
| 7780 | 4822 209 83159 | LA2000 |

MAIN PCB POWER PART




| | | |
|---|---|---|
| 1593 | A | 9 |
| 2550 | B | 2 |
| 2551 | B | 2 |
| 2552 | C | 2 |
| 2553 | C | 2 |
| 2554 | A | 5 |
| 2555 | D | 3 |
| 2556 | D | 5 |
| 2558 | D | 6 |
| 2560 | D | 6 |
| 2562 | D | 6 |
| 2563 | E | 7 |
| 2564 | E | 8 |
| 2570 | G | 6 |
| 2574 | G | 6 |
| 2580 | E | 2 |
| 2587 | G | 7 |
| 3556 | D | 5 |
| 3558 | D | 6 |
| 3560 | D | 6 |
| 3562 | D | 6 |
| 3564 | E | 2 |
| 3565 | E | 2 |
| 3590 | D | 7 |
| 3591 | E | 7 |
| 5570 | F | 7 |
| 6570 | G | 6 |
| 6590 | E | 6 |
| 7550 | C | 3 |
| 7590 | D | 8 |
| 7591 | E | 7 |
| 9501 | D | 4 |
| 9502 | G | 6 |

RDS PANEL

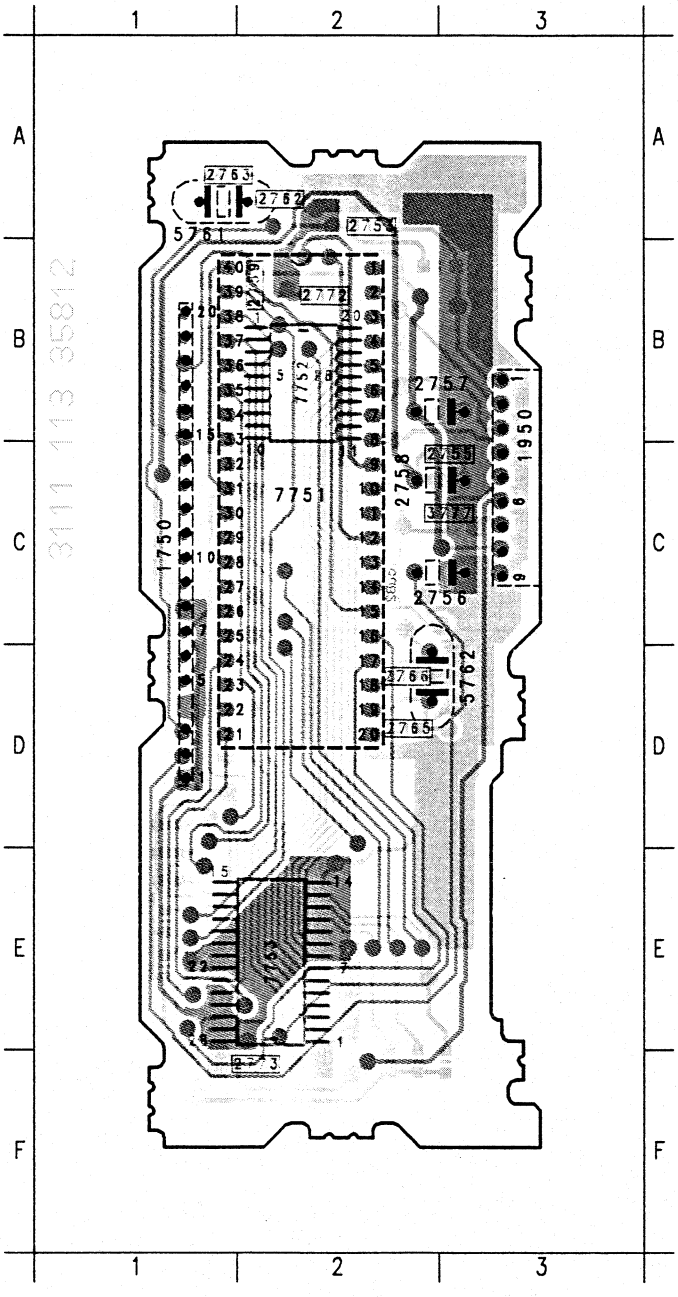



ALL COMPONENTS WITHOUT ITEM NUMBER ARE ALTERNATIVE COMPONENTS, NOT USED IN THIS VERSION

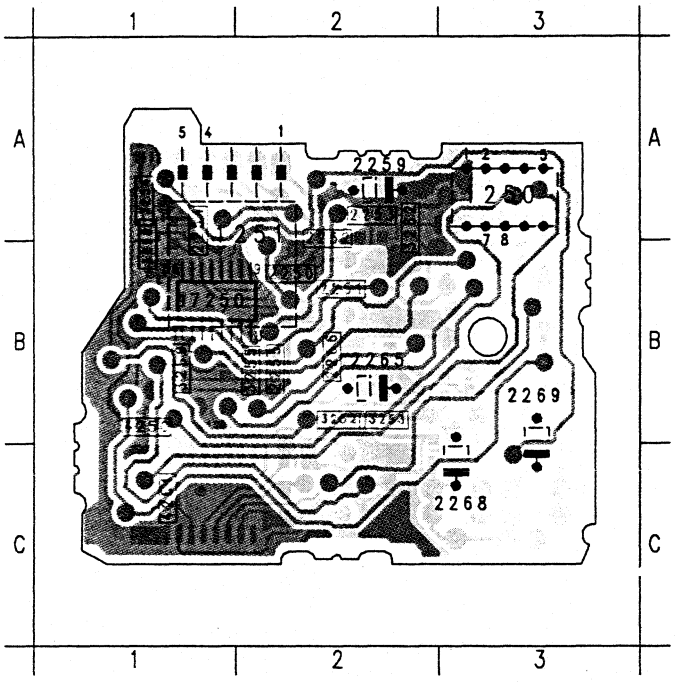
22DC711/00

1750 H 9
1950 C16
2753 G 8
2755 H 8
2756 H 9
2757 C14
2758 H 8
2759 C14
2762 H10
2763 H10
2765 D14
2766 D14
2772 F 2
2773 D 2
3777 H 8
5761 H10
5762 D14
7751 E12
7752 G 3
7753 D 3

# RDS MODULE

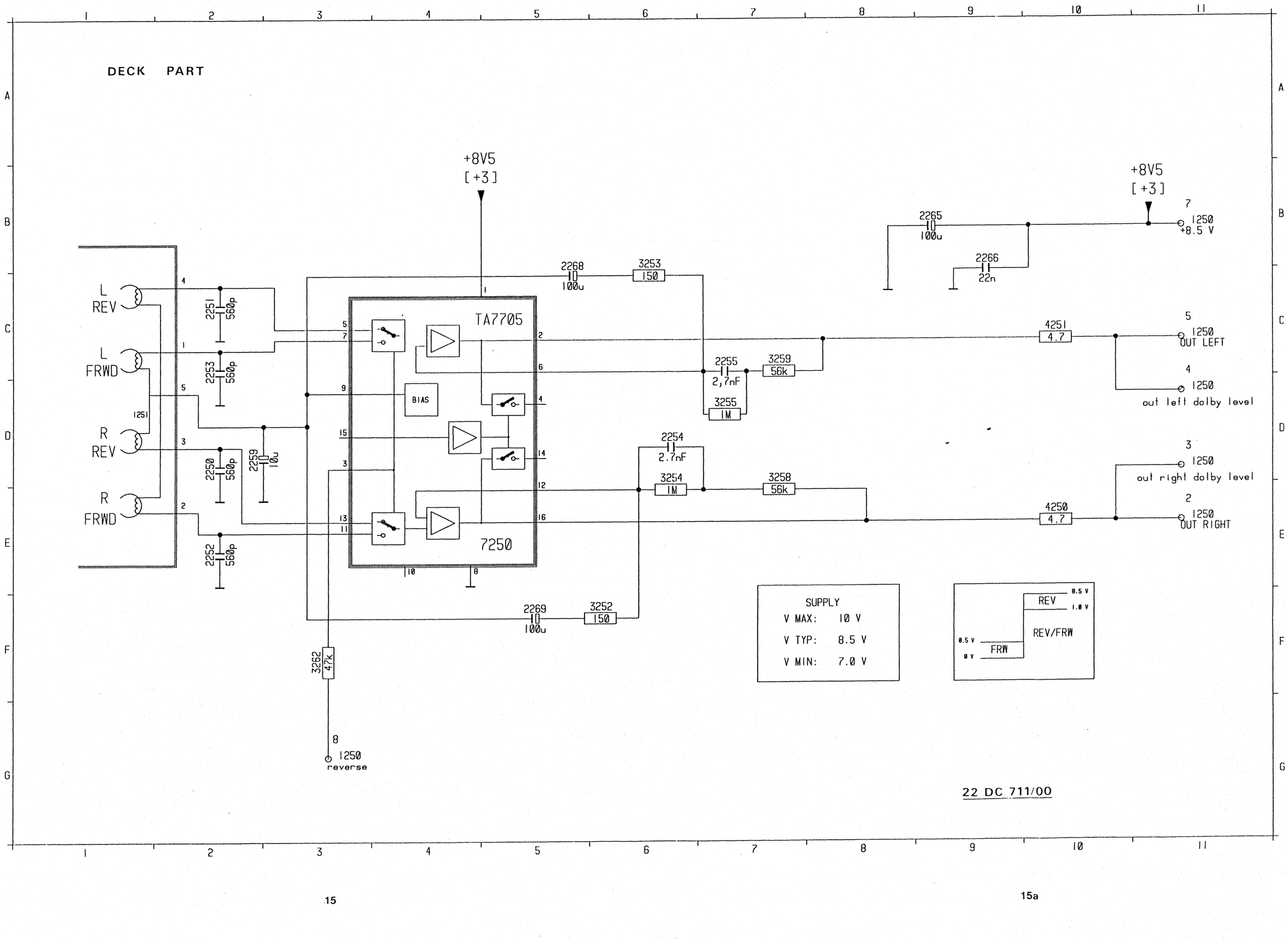



| | |
|---|---|
| 1750 | 1C |
| 1950 | 3B |
| 2753 | 2A |
| 2755 | 3C |
| 2756 | 3C |
| 2757 | 3B |
| 2758 | 2C |
| 2759 | 2B |
| 2762 | 2A |
| 2763 | 1A |
| 2765 | 2D |
| 2766 | 2D |
| 2772 | 2B |
| 2773 | 2F |
| 3777 | 3C |
| 5761 | 1A |
| 5762 | 3D |
| 7751 | 2C |
| 7752 | 2B |
| 7753 | 2E |



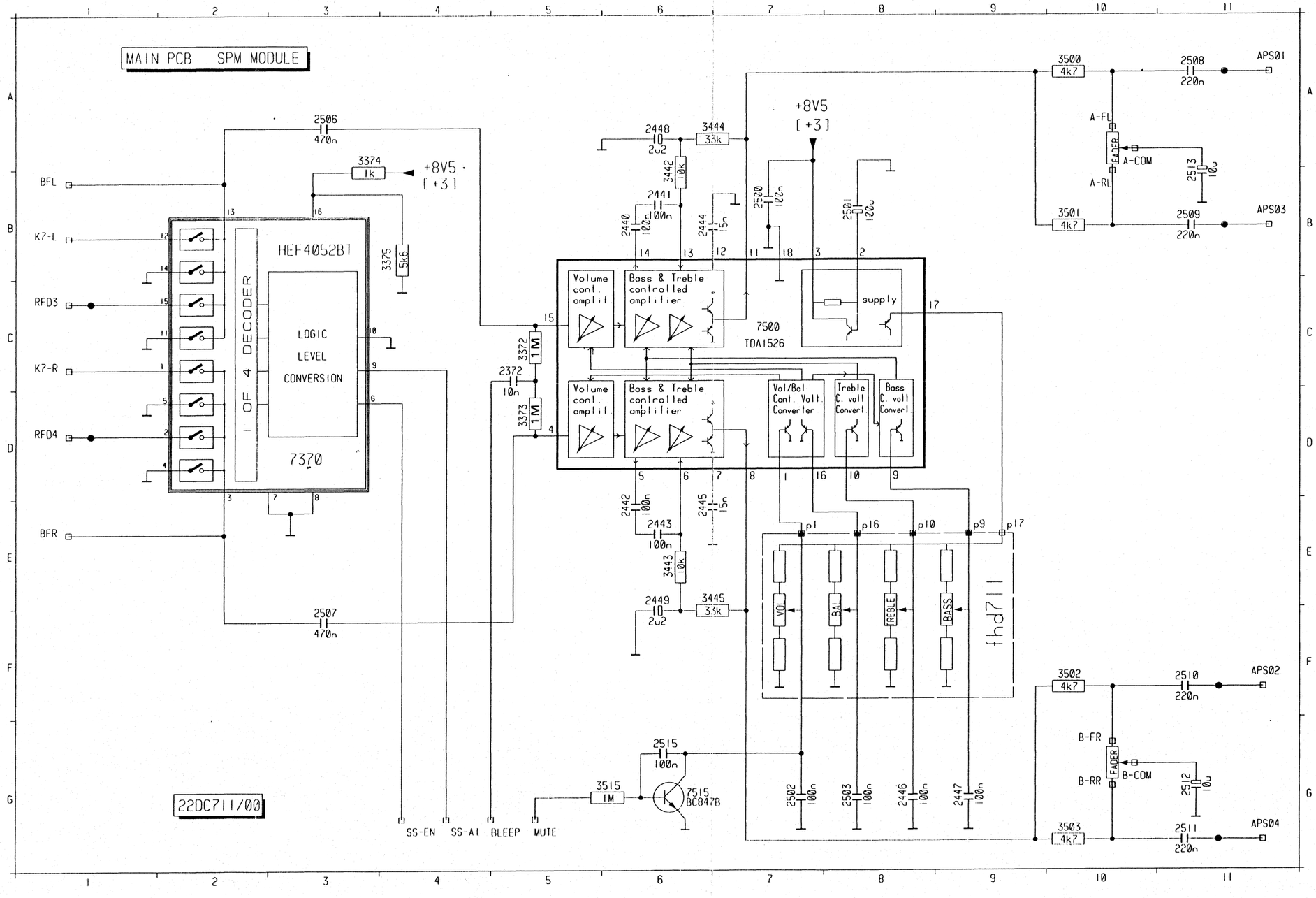

| | |
|---|---|
| 1250 | 3A |
| 1251 | 2A |
| 2250 | 2B |
| 2251 | 2B |
| 2252 | 2A |
| 2253 | 2A |
| 2254 | 1A |
| 2255 | 2B |
| 2259 | 2A |
| 2265 | 2B |
| 2266 | 2B |
| 2268 | 3C |
| 2269 | 3B |
| 3252 | 2B |
| 3253 | 2B |
| 3254 | 1A |
| 3255 | 2B |
| 3258 | 1B |
| 3259 | 1B |
| 3262 | 2A |
| 4250 | 1B |
| 4251 | 1C |
| 7250 | 1B |

## DECK PART




| | | |
|---|---|---|
| 2250 | D | 2 |
| 2251 | C | 2 |
| 2252 | E | 2 |
| 2253 | C | 2 |
| 2254 | D | 6 |
| 2255 | C | 7 |
| 2259 | D | 2 |
| 2265 | B | 9 |
| 2266 | B | 9 |
| 2268 | B | 5 |
| 2269 | F | 5 |
| 3252 | F | 6 |
| 3253 | B | 6 |
| 3254 | D | 6 |
| 3255 | D | 7 |
| 3258 | D | 7 |
| 3259 | C | 7 |
| 3262 | F | 3 |
| 4250 | E | 10 |
| 4251 | C | 10 |
| 7250 | E | 4 |

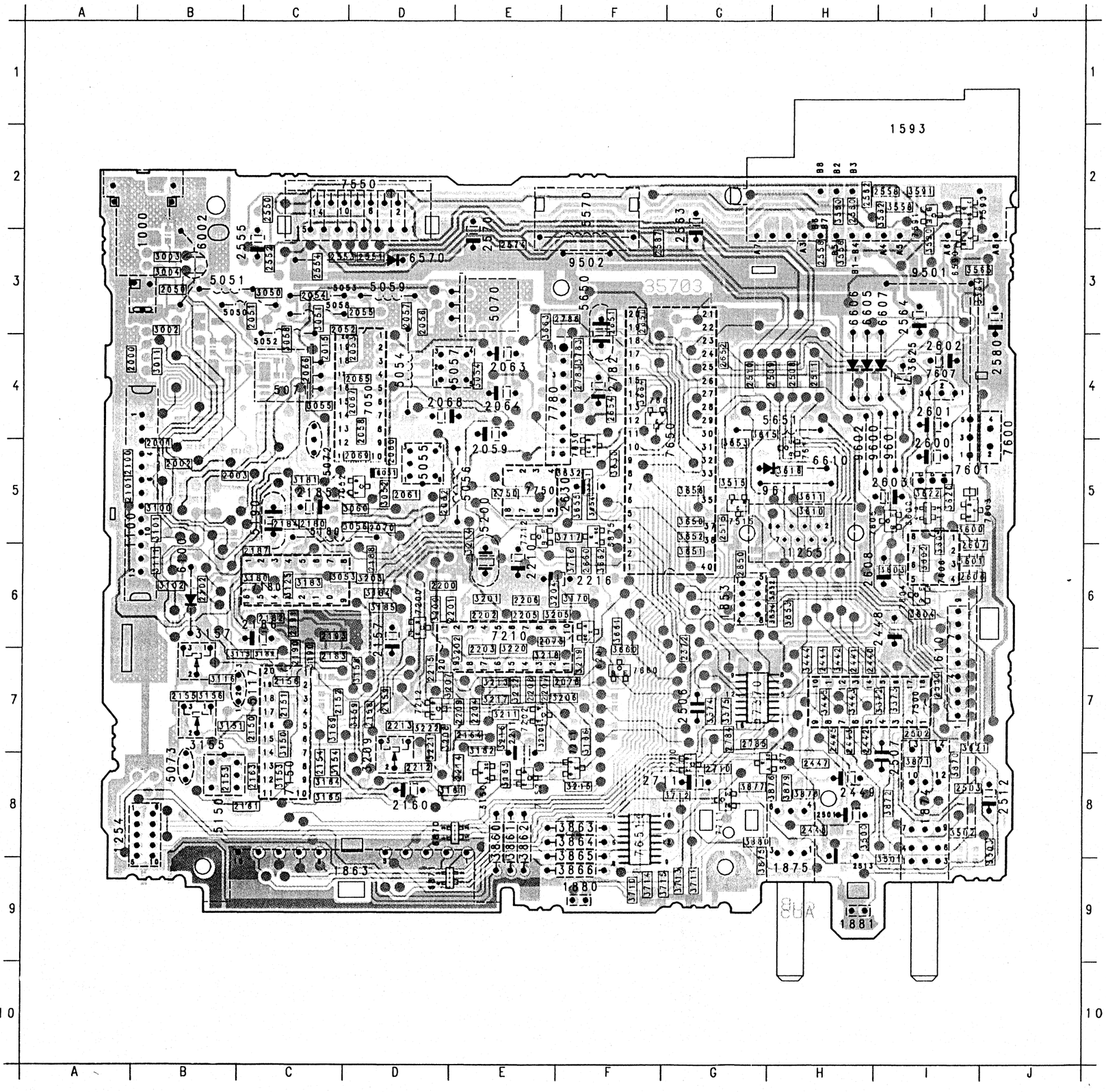
MAIN PCB SPM MODULE





2372 C 5
2440 B 6
2441 B 6
2442 E 6
2443 E 6
2444 B 6
2445 E 6
2446 G 8
2447 G 9
2448 A 6
2449 E 6
2500 B 7
2501 B 8
2502 G 7
2503 G 8
2506 A 3
2507 F 3
2508 AII
2509 BII
2510 FII
2511 GII
2512 GII
2513 AII
2515 G 6
3372 C 5
3373 D 5
3374 A 3
3375 B 4
3442 A 6
3443 E 6
3444 A 7
3445 E 7
3500 AI0
3501 BI0
3502 FI0
3503 GI0
3515 G 6
7370 D 3
7500 C 7
7515 G 6

# MAIN PANEL


A
B
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J
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1593
7550
1000
6002
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6570
5051
5053
5059
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9502
35703
5650
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2574
2580
2587
6606
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6607
2564
9501
2602
7607
2601
2600
7601
7600
2580
5651
6610
9602
9600
2603
1265
2608
1853
2448
1610
2506
7210
2216
2063
2068
2064
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5200
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7750
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2180
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2155
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3165
5073
7160
5150
1254
2160
2209
2213
2214
2222
2164
2161
2271
2449
2507
2512
1875
1880
1881
3863
3864
3865
3866
3860
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7651
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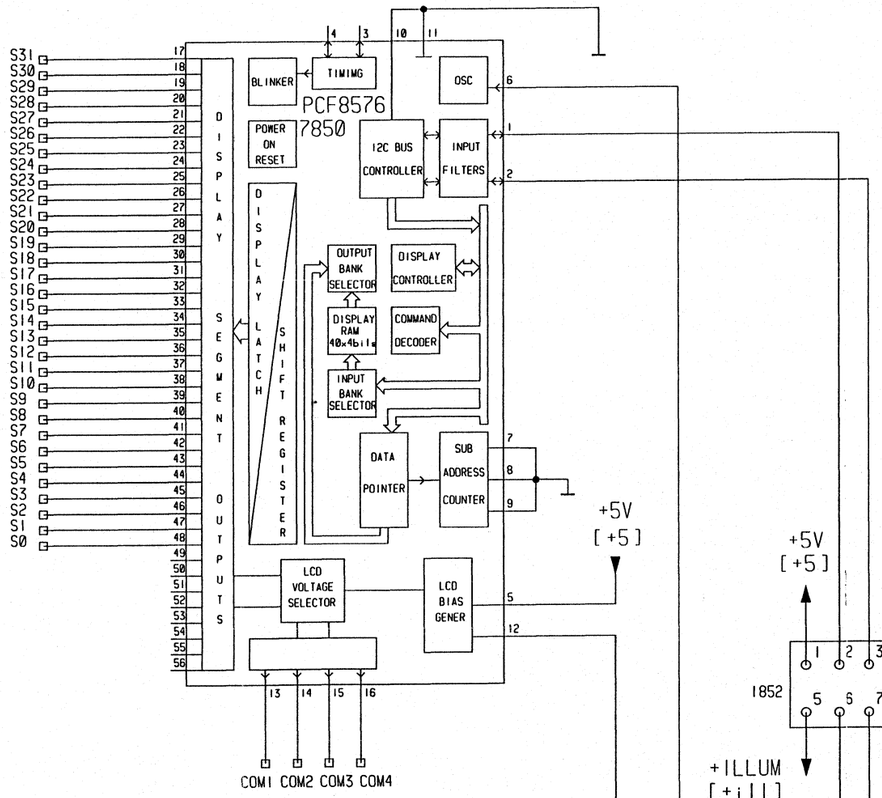
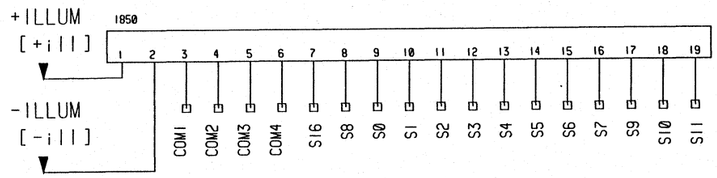
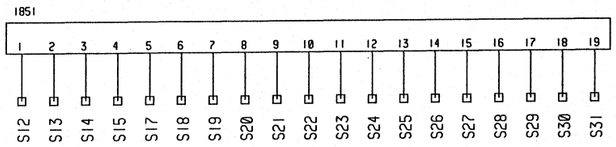
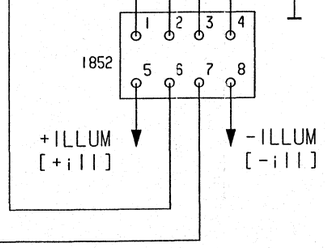
## LCD PANEL




22DC711/00

MAIN PCB FHD PART

1874

ON+ 14 SW 13 ON-

P1 11

3870 1k5 — 12 VOL 10 — 3872 2k2 — P17

3871 5k6

P16 8

9 BAL 7

A-COM 5

A-FL 6 FAD-2 4 A-RL

B-COM 2

B-FR 3 FAD-1 1 B-RR

POT-VBF

3879 3k3

P17 — 3876 1k5 — 6 R2 4 — 3878 1k5 — P9 5

3877 1k5 — 3 R1 1 — 3875 1k5 — P10 2

RV1H0276

1875

3880 5k6

KW1 3863 1k

KW2 3864 1k

KW3 3865 1k

KW4 3866 1k

BAS28 6870

BAS28 6871

+14V4 [+2] 8

KR1 3860 1k 7

KR2 3861 1k 6

KR3 3862 1k 5

DETACHABLE UNIT

408

9 10

SW-DET

PILOT

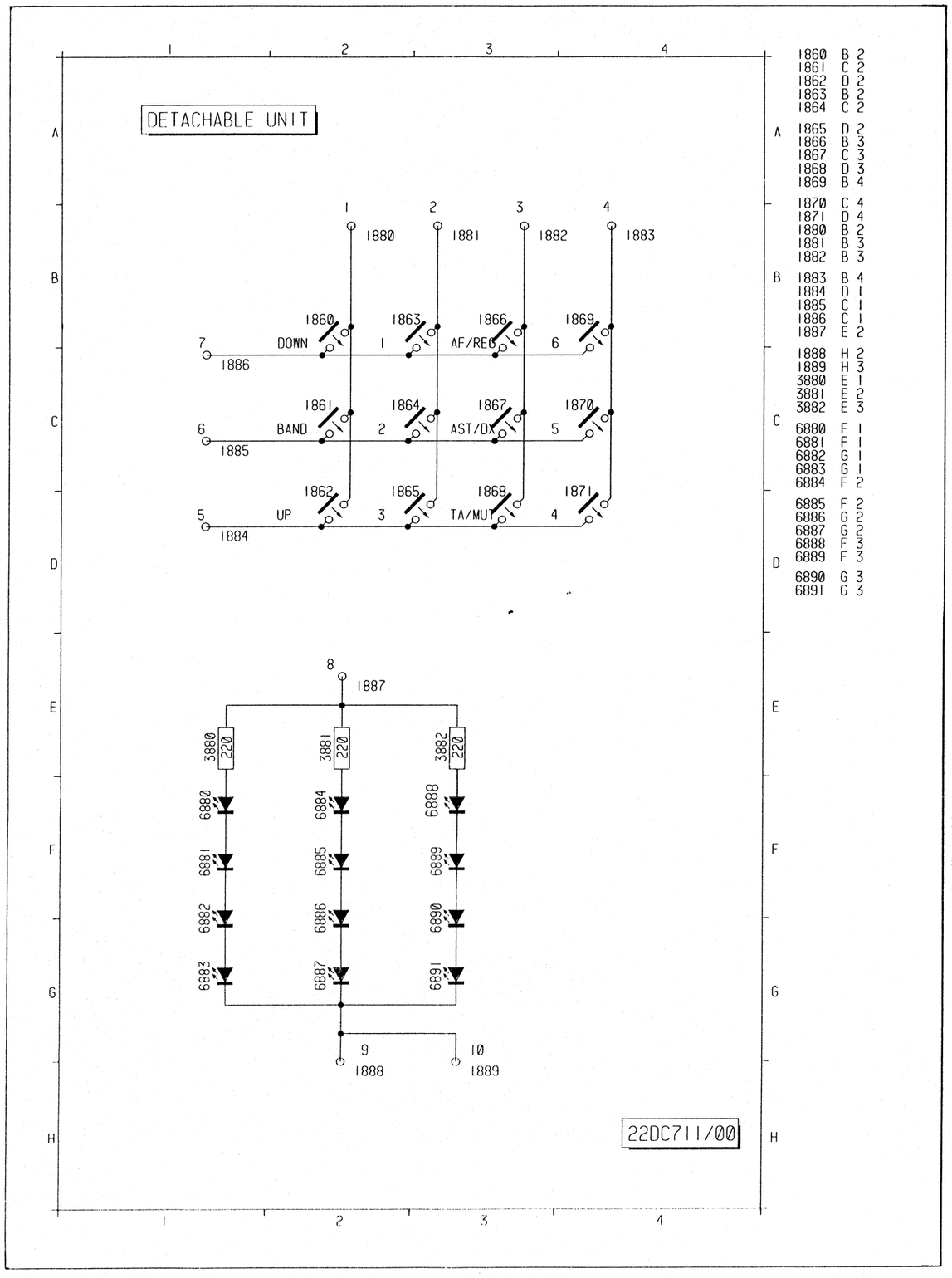
pilot light

22DC711/00

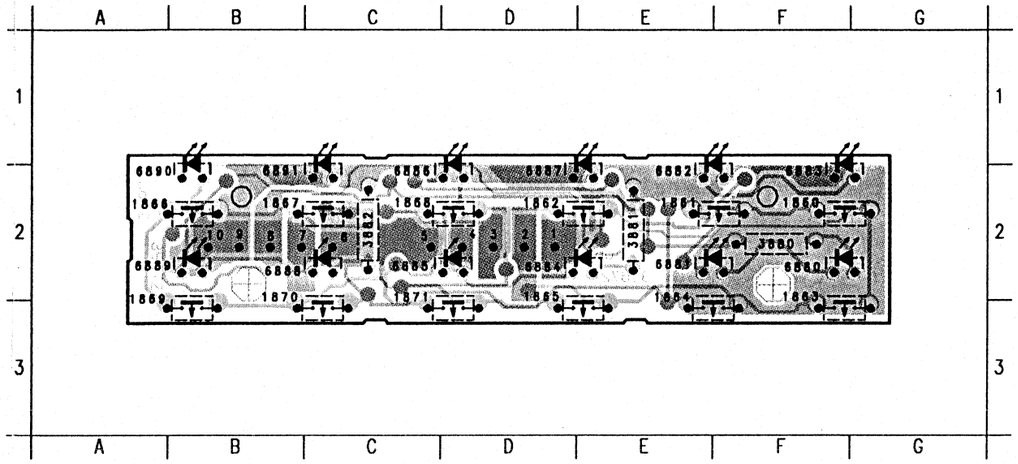
1863 B 7
1874 A 2
1875 F 2

3860 C 5
3861 D 5
3862 D 5
3863 A 5
3864 A 5
3865 B 5
3866 B 5
3870 A 1
3871 B 2
3872 A 3
3875 E 3
3876 E 1
3877 E 1
3878 E 3
3879 D 2
3880 F 2

6870 A 6
6871 B 6




1860 B 2
1861 C 2
1862 D 2
1863 B 2
1864 C 2
1865 D 2
1866 B 3
1867 C 3
1868 D 3
1869 B 4
1870 C 4
1871 D 4
1880 B 2
1881 B 3
1882 B 3
1883 B 4
1884 D 1
1885 C 1
1886 C 1
1887 E 2
1888 H 2
1889 H 3
3880 E 1
3881 E 2
3882 E 3
6880 F 1
6881 F 1
6882 G 1
6883 G 1
6884 F 2
6885 F 2
6886 G 2
6887 G 2
6888 F 3
6889 F 3
6890 G 3
6891 G 3

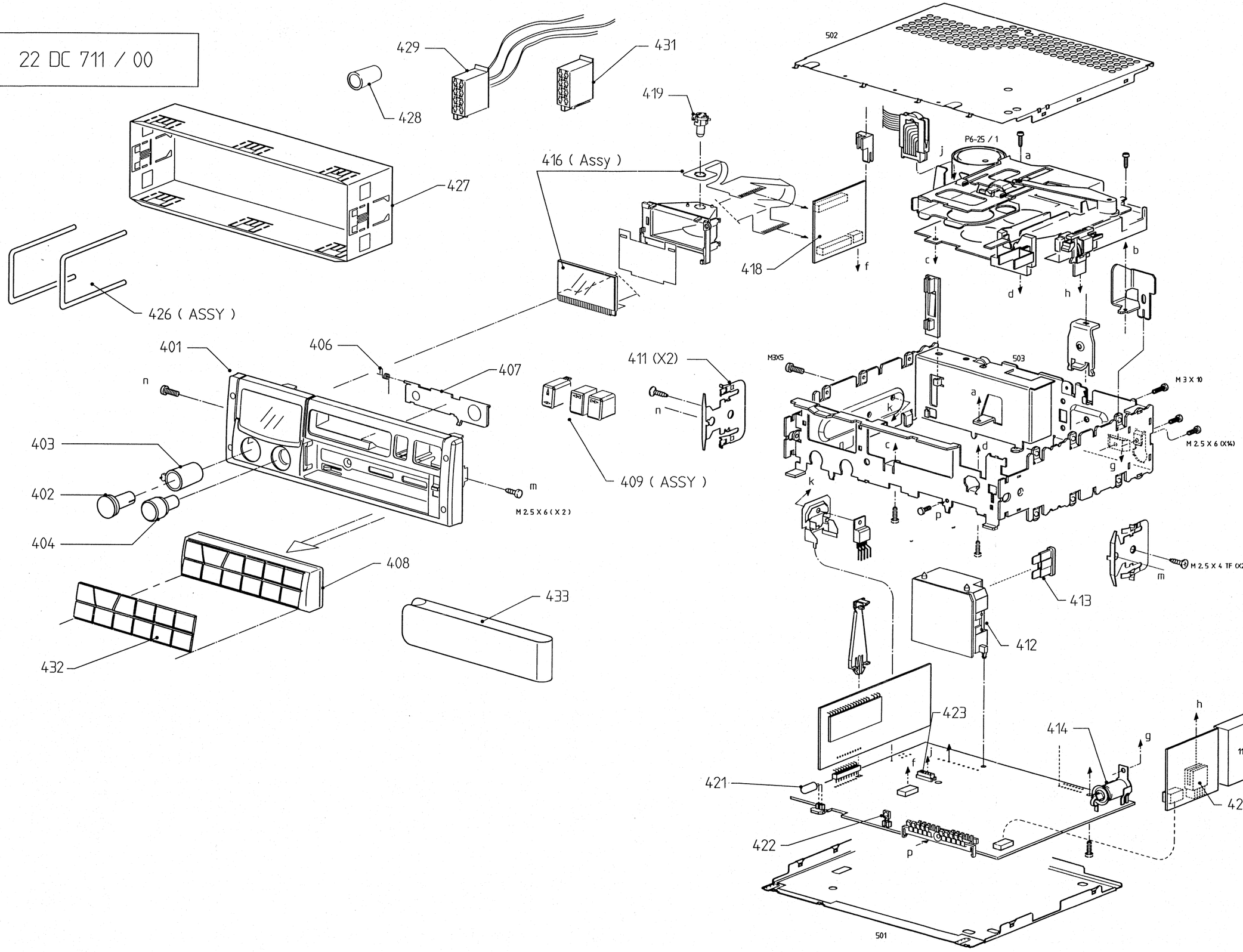



1860 F 2
1861 E 2
1862 D 2
1863 F 3
1864 E 3
1865 D 3
1866 A 2
1867 B 2
1868 C 2
1869 A 3
1870 B 3
1871 C 3
3880 F 2
3881 E 2
3882 C 2
6880 F 2
6881 E 2
6882 E 2
6883 F 2
6884 D 2
6885 C 2
6886 C 2
6887 D 2
6888 B 2
6889 A 2
6890 A 2
6891 B 2

Mechanical Partslist

| | | | | | |
|---|---|---|---|---|---|
| 401 | 4822 459 50711 | FRONT | 416 | 4822 130 91101 | LCD ASSY |
| 402 | 4822 413 31695 | KNOB VOLUME | 418 | 4822 321 61565 | PCB ASSY LCD |
| 403 | 4822 413 31697 | FADER LEVER | 419 | 4822 134 41111 | LAMP FLEXBASE 14V |
| 404 | 4822 413 31696 | KNOB TONE | 421 | 4822 134 41112 | LAMP 14V 80MA |
| 406 | 4822 492 71033 | FLAP SPRING | 422 | 4822 130 82996 | LED RED |
| 407 | 4822 443 411 | FLAP CASSETTE | 423 | 4822 267 50872 | CONNECTOR DECK |
| 408 | 4822 691 10369 | DET. UNIT IN CASE | 424 | 4822 267 41008 | CONNECTOR DECK HEAD |
| 409 | 4822 410 61842 | SET OF BUTTONS DECK | 426 | 4822 404 20437 | DEMOUNTING BRACKETS |
| 411 | 4822 492 71046 | SPRING CLAMPING | 427 | 4822 443 30463 | SLEEVE |
| 412 | 4822 290 61081 | CONNECTOR BLOCK | 428 | 4822 532 11092 | BUFFER MOUNTING |
| 413 | 4822 071 25002 | FUSE T5A 250V | 429 | 4822 321 10551 | CABLE ADAPTER SUPPLY |
| 414 | 4822 267 30883 | AERIAL BUSH ASSY | 431 | 4822 267 41052 | LOUDSPEAKER CONNECT |

22 DC 711 / 00


429
431
428
419
427
416 ( Assy )
418
426 ( ASSY )
401
406
407
411 (X2)
n
403
402
404
409 ( ASSY )
m
M2.5X6(X2)
408
433
432
502
P6-25 / 1
j
a
b
c
d
h
f
503
M3X5
M3X10
M2.5X6(X14)
k
g
p
M2.5X4 TF (X2)
413
412
423
414
1100
421
422
501

## Miscellaneous

| | | |
|---|---|---|
| 1100 | 4822 210 10305 | TUNER |
| 1750 | 4822 214 51833 | RDS Thickfilm |
| 1860 | 4822 276 13103 | SWITCH |
| 1861 | 4822 276 13103 | SWITCH |
| 1862 | 4822 276 13103 | SWITCH |
| 1863 | 4822 276 13103 | SWITCH |
| 1864 | 4822 276 13103 | SWITCH |
| 1865 | 4822 276 13103 | SWITCH |
| 1866 | 4822 276 13103 | SWITCH |
| 1867 | 4822 276 13103 | SWITCH |
| 1868 | 4822 276 13103 | SWITCH |
| 1869 | 4822 276 13103 | SWITCH |
| 1870 | 4822 276 13103 | SWITCH |
| 1871 | 4822 276 13103 | SWITCH |
| 1874 | 4822 100 30171 | POT.Vol., On/ Off, Bal , Fad |
| 1875 | 4822 100 20855 | POT. Bass, Treble |

| | | |
|---|---|---|
| 2000 | 4822 051 20008 | 0Ω 5% 0,1W |
| 2001 | 4822 051 20008 | 0Ω 5% 0,1W |
| 2002 | 4822 051 20008 | 0Ω 5% 0,1W |
| 2003 | 4822 051 20008 | 0Ω 5% 0,1W |
| 2015 | 4822 122 33177 | 10nF 10% X7R 50V |
| 2050 | 4822 122 32442 | 10nF 50V |
| 2051 | 5322 122 32287 | 4,7pF 5%NP0 50V |
| 2052 | 5322 122 32448 | 10pF 5% 50V |
| 2053 | 5322 122 32659 | 33pF 5% 50V |
| 2054 | 4822 122 33514 | 68pF 5%NP0 50V |
| 2055 | 4822 122 33515 | 82pF 5%NP0 63V |
| 2056 | 4822 122 33514 | 68pF 5%NP0 50V |
| 2057 | 4822 122 33177 | 10nF 20% X7R 50V |
| 2058 | 4822 122 32916 | 220nF10%X7R 63V |
| 2059 | 4822 124 23624 | 47µF20% 16V |
| 2060 | 4822 122 33216 | 270pF 5%NP0 50V |
| 2061 | 4822 122 33555 | 22nF10% |
| 2062 | 4822 122 33216 | 270pF 5%NP0 50V |
| 2063 | 4822 124 41969 | 1µF20% 50V |
| 2064 | 4822 124 23624 | 47µF20% 16V |
| 2065 | 4822 122 33496 | 100nF10%X7R 63V |
| 2066 | 5322 122 32658 | 22ppFF 5% 50V |
| 2067 | 4822 122 33496 | 100nF10%X7R 63V |
| 2068 | 4822 124 23624 | 47µF20% 16V |
| 2069 | 4822 122 33177 | 10nF 20% X7R 50V |
| 2070 | 4822 122 33555 | 22nF10% |
| 2075 | 4822 122 33496 | 100nF10%X7R 63V |
| 2076 | 4822 122 33496 | 100nF10%X7R 63V |
| 2100 | 4822 122 33555 | 22nF10% |
| 2101 | 4822 122 33177 | 10nF 20% X7R 50V |
| 2102 | 4822 122 33177 | 10nF 20% X7R 50V |
| 2150 | 4822 122 33496 | 100nF10%X7R 63V |
| 2151 | 4822 122 32542 | 47nF10%X7R 63V |
| 2152 | 4822 122 32542 | 47nF10%X7R 63V |
| 2153 | 4822 122 33515 | 82pF 5%NP0 63V |
| 2154 | 4822 122 33555 | 22nF10% |
| 2155 | 4822 122 33496 | 100nF10%X7R 63V |
| 2156 | 4822 122 32542 | 47nF10%X7R 63V |
| 2157 | 4822 124 23624 | 47µF20% 16V |
| 2158 | 5322 126 10223 | 4,7nF 10% X7R 63V |
| 2159 | 5322 126 10223 | 4,7nF 10% X7R 63V |

| | | |
|---|---|---|
| 2160 | 4822 124 40244 | 2,2µF20% 63V |
| 2161 | 4822 122 33181 | 150pF 5% NP0 50V |
| 2163 | 4822 122 33514 | 68pF 5%NP0 50V |
| 2164 | 4822 122 33498 | 2,7nF10%X7R 63V |
| 2180 | 4822 122 33555 | 22nF10% |
| 2182 | 4822 122 32891 | 68nF10%X7R 63V |
| 2183 | 4822 122 32916 | 220nF10%X7R 63V |
| 2184 | 4822 122 33555 | 22nF10% |
| 2185 | 4822 124 23624 | 47µF20% 16V |
| 2186 | 4822 124 23624 | 47µF20% 16V |
| 2187 | 5322 122 32659 | 33pF 5% 50V |
| 2188 | 4822 122 33555 | 22nF10% |
| 2190 | 4822 122 32542 | 47nF10%X7R 63V |
| 2191 | 4822 122 32597 | 6,8nF10%X7R 63V |
| 2193 | 4822 122 32916 | 220nF10%X7R 63V |
| 2200 | 4822 122 32916 | 220nF10%X7R 63V |
| 2201 | 4822 122 33555 | 22nF10% |
| 2202 | 4822 122 33496 | 100nF10%X7R 63V |
| 2203 | 4822 122 31768 | 180pF 5% 50V |
| 2204 | 5322 122 32268 | 470pF 10% 50V |
| 2205 | 5322 122 32268 | 470pF 10% 50V |
| 2206 | 4822 122 33555 | 22nF10% |
| 2207 | 5322 122 31866 | 6,8nF10%X7R 63V |
| 2208 | 5322 122 31866 | 6,8nF10%X7R 63V |
| 2209 | 4822 122 33496 | 100nF10%X7R 63V |
| 2210 | 4822 124 23624 | 47µF20% 16V |
| 2211 | 4822 124 23624 | 47µF 20% 16V |
| 2212 | 4822 122 31766 | 120pF 5% 50V |
| 2213 | 4822 122 32916 | 220nF 10% X7R 63V |
| 2214 | 4822 122 32916 | 220nF10%X7R 63V |
| 2215 | 4822 122 33216 | 270pF 5%NP0 50V |
| 2216 | 4822 124 41873 | 4,7µF20% 35V |
| 2250 | 4822 122 33173 | 560pF 10% X7R 50V |
| 2251 | 4822 122 33173 | 560pF 10% X7R 50V |
| 2252 | 4822 122 33173 | 560pF 10% X7R 50V |
| 2253 | 4822 122 33173 | 560pF 10% X7R 50V |
| 2254 | 4822 122 33176 | 2,7nF 20% X7R 50V |
| 2255 | 4822 122 33176 | 2,7nF 20% X7R 50V |
| 2259 | 4822 124 22403 | 10µF 20% 16V |
| 2265 | 4822 124 23432 | 100µF20% 10V |
| 2266 | 4822 122 33555 | 22nF10% |
| 2268 | 4822 124 23432 | 100µF20% 10V |
| 2269 | 4822 124 23432 | 100µF20% 10V |
| 2372 | 4822 122 33177 | 10nF 20% X7R 50V |
| 2440 | 4822 122 33496 | 100nF10%X7R 63V |
| 2441 | 4822 122 33496 | 100nF10%X7R 63V |
| 2442 | 4822 122 33496 | 100nF10%X7R 63V |
| 2443 | 4822 122 33496 | 100nF10%X7R 63V |
| 2444 | 4822 122 33128 | 15nF10%X7R 63V |
| 2445 | 4822 122 33128 | 15nF10%X7R 63V |
| 2446 | 4822 122 33496 | 100nF10%X7R 63V |
| 2447 | 4822 122 33496 | 100nF10%X7R 63V |
| 2448 | 4822 124 41971 | 2,2µF20% 50V |
| 2449 | 4822 124 41971 | 2,2µF20% 50V |
| 2500 | 4822 122 33496 | 100nF10%X7R 63V |
| 2501 | 4822 124 23432 | 100µF20% 10V |
| 2502 | 4822 122 33496 | 100nF10%X7R 63V |
| 2503 | 4822 122 33496 | 100nF10%X7R 63V |
| 2506 | 4822 121 51252 | 470nF 5% 63V |



| | | |
|---|---|---|
| 2507 | 4822 121 51252 | 470nF 5% 63V |
| 2508 | 4822 122 32916 | 220nF10%X7R 63V |
| 2509 | 4822 122 32916 | 220nF10%X7R 63V |
| 2510 | 4822 122 32916 | 220nF10%X7R 63V |
| 2511 | 4822 122 32916 | 220nF10%X7R 63V |
| 2512 | 4822 124 22403 | 10µF 20% 16V |
| 2513 | 4822 124 22403 | 10µF 20% 16V |
| 2515 | 4822 122 33496 | 100nF10%X7R 63V |
| 2550 | 5322 122 32268 | 470pF 10% 50V |
| 2551 | 5322 122 32268 | 470pF 10% 50V |
| 2552 | 5322 122 32268 | 470pF 10% 50V |
| 2553 | 5322 122 32268 | 470pF 10% 50V |
| 2554 | 4822 122 33496 | 100nF10%X7R 63V |
| 2555 | 4822 124 23624 | 47µF20% 16V |
| 2556 | 5322 126 10223 | 4,7nF10%X7R 63V |
| 2558 | 5322 126 10223 | 4,7nF10%X7R 63V |
| 2560 | 5322 126 10223 | 4,7nF10%X7R 63V |
| 2562 | 5322 126 10223 | 4,7nF10%X7R 63V |
| 2563 | 4822 124 40201 | 100µF20% 16V |
| 2564 | 4822 124 40201 | 100µF20% 16V |
| 2570 | 4822 124 40723 | 2200µF20% 16V |
| 2574 | 4822 122 33555 | 22nF10% |
| 2575 | 4822 122 32142 | 270pF 5% 63V |
| 2576 | 4822 122 32142 | 270pF 5% 63V |
| 2580 | 4822 124 41796 | 22µF20% 16V |
| 2600 | 4822 124 22403 | 10µF 20% 16V |
| 2601 | 4822 124 23432 | 100µF 20% 16V |
| 2602 | 4822 124 23432 | 100µF20% 10V |
| 2603 | 4822 124 23624 | 47µF20% 16V |
| 2606 | 4822 122 33496 | 100nF10%X7R 63V |
| 2607 | 4822 122 33498 | 2,7nF10%X7R 63V |
| 2608 | 4822 124 40244 | 2,2µF20% 63V |
| 2630 | 4822 124 41796 | 22µF20% 16V |
| 2650 | 5322 122 32659 | 33pF 5% 50V |
| 2651 | 5322 122 32659 | 33pF 5% 50V |
| 2652 | 4822 122 33496 | 100nF10%X7R 63V |
| 2654 | 4822 122 33496 | 100nF10%X7R 63V |
| 2660 | 4822 122 33555 | 22nF 10% |
| 2710 | 4822 122 33555 | 22nF10% |
| 2711 | 4822 124 41969 | 1µF20% 50V |
| 2750 | 4822 122 33496 | 100nF10%X7R 63V |
| 2753 | 4822 122 33496 | 100nF10%X7R 63V |
| 2755 | 4822 122 33496 | 100nF10%X7R 63V |
| 2756 | 4822 124 40272 | 33µF20% 16V |
| 2758 | 4822 124 41796 | 22µF20% 16V |
| 2759 | 4822 122 33496 | 100nF10%X7R 63V |
| 2762 | 4822 122 33214 | 2,2µF20% 63V |
| 2763 | 4822 122 33214 | 27 pF 5% NP0 |
| 2765 | 5322 122 32659 | 33pF 5% 50V |
| 2766 | 5322 122 32659 | 33pF 5% 50V |
| 2772 | 4822 122 33496 | 100nF10%X7R 63V |
| 2773 | 4822 122 33496 | 100nF10%X7R 63V |
| 2782 | 4822 124 40244 | 2,2µF20% 63V |
| 2783 | 4822 122 32542 | 47nF10%X7R 63V |
| 2784 | 5322 122 31647 | 1nF10%X7R 63V |
| 2785 | 5322 122 31647 | 1nF10%X7R 63V |
| 2786 | 4822 122 33555 | 22nF10% |
| 2850 | 4822 122 33496 | 100nF10%X7R 63V |

| | | |
|---|---|---|
| 3002 | 4822 051 20008 | 0Ω 5% 0,1W |
| 3003 | 4822 051 20008 | 0Ω 5% 0,1W |
| 3004 | 4822 051 20008 | 0Ω 5% 0,1W |
| 3011 | 4822 051 20008 | 0Ω 5% 0,1W |
| 3050 | 4822 051 20561 | 560Ω 5% 0,1W |
| 3051 | 4822 051 20471 | 470Ω 5% 0,1W |
| 3052 | 4822 051 20184 | 180K00 5% 0,1W |
| 3053 | 4822 051 20472 | 4K70 5% 0,1W |
| 3054 | 4822 051 20102 | 1K00 5% 0,1W |
| 3055 | 4822 051 20102 | 1K00 5% 0,1W |
| 3056 | 4822 051 20273 | 27K 5% 0,1W |
| 3058 | 4822 051 20474 | 470K00 5% 0,1W |
| 3060 | 4822 051 20103 | 10K00 5% 0,1W |
| 3100 | 4822 051 20103 | 10K00 5% 0,1W |
| 3101 | 4822 051 20109 | 10Ω 5% 0,1W |
| 3102 | 4822 051 20471 | 470Ω 5% 0,1W |
| 3111 | 4822 051 20569 | 56Ω 5% 0,1W |
| 3115 | 4822 051 20569 | 56Ω 5% 0,1W |
| 3116 | 4822 051 20102 | 1K00 5% 0,1W |
| 3125 | 4822 051 20102 | 1K00 5% 0,1W |
| 3150 | 4822 051 20331 | 330Ω 5% 0,1W |
| 3151 | 4822 051 20331 | 330Ω 5% 0,1W |
| 3153 | 4822 051 20222 | 2K2 5% 0,1W |
| 3154 | 4822 051 20109 | 10Ω 5% 0,1W |
| 3155 | 4822 100 20166 | 10K 30%LIN 0,1W |
| 3156 | 4822 051 20222 | 2K20 5% 0,1W |
| 3157 | 4822 100 20166 | 10K 30%LIN 0,1W |
| 3158 | 4822 051 20109 | 10Ω 5% 0,1W |
| 3159 | 4822 051 20681 | 680R 5% 0,1W |
| 3161 | 4822 051 20683 | 68K 5% 0,1W |
| 3162 | 4822 051 20222 | 2,2K 5% 0,1W |
| 3163 | 4822 051 20271 | 270Ω 5% 0,1W |
| 3164 | 4822 051 20102 | 1K00 5% 0,1W |
| 3165 | 4822 051 20102 | 1K00 5% 0,1W |
| 3166 | 4822 051 20008 | 0Ω 5% 0,1W |
| 3169 | 4822 051 20331 | 330Ω 5% 0,1W |
| 3170 | 4822 051 20008 | 0Ω 5% 0,1W |
| 3180 | 4822 051 20103 | 10K00 5% 0,1W |
| 3181 | 4822 051 20103 | 10K00 5% 0,1W |
| 3182 | 4822 051 20331 | 330Ω 5% 0,1W |
| 3183 | 4822 051 20475 | 4M70 5% 0,1W |
| 3184 | 4822 051 20102 | 1K00 5% 0,1W |
| 3185 | 4822 051 20102 | 1K00 5% 0,1W |
| 3190 | 4822 051 20332 | 3K30 5% 0,1W |
| 3200 | 4822 051 20273 | 27K00 5% 0,1W |
| 3201 | 4822 051 20104 | 100K00 5% 0,1W |
| 3202 | 4822 051 20222 | 2K20 5% 0,1W |
| 3203 | 4822 051 20474 | 470K00 5% 0,1W |
| 3204 | 4822 051 20105 | 1M00 5% 0,1W |
| 3205 | 4822 051 20393 | 39K00 5% 0,1W |
| 3206 | 4822 051 20393 | 39K00 5% 0,1W |
| 3207 | 4822 051 20474 | 470K00 5% 0,1W |
| 3208 | 4822 051 20273 | 27K 5% 0,1W |
| 3209 | 4822 100 11163 | 100K 30%LIN 0,1W |
| 3210 | 4822 051 20471 | 470Ω 5% 0,1W |
| 3211 | 4822 051 20104 | 100K00 5% 0,1W |
| 3212 | 4822 051 20103 | 10K00 5% 0,1W |
| 3213 | 4822 051 20681 | 680Ω 5% 0,1W |
| 3214 | 4822 051 20109 | 10R 5% 0,1W |

| | | |
|---|---|---|
| 3215 | 4822 051 20475 | 4M7 5% 0,1W |
| 3216 | 4822 051 20472 | 4K70 5% 0,1W |
| 3217 | 4822 051 20103 | 10K00 5% 0,1W |
| 3218 | 4822 051 20472 | 4K70 5% 0,1W |
| 3219 | 4822 051 20472 | 4K70 5% 0,1W |
| 3220 | 4822 051 20104 | 100K00 5% 0,1W |
| 3221 | 4822 051 20683 | 68K00 5% 0,1W |
| 3222 | 4822 051 20273 | 27K 5% 0,1W |
| 3252 | 4822 051 20151 | 150Ω 5% 0,1W |
| 3253 | 4822 051 20151 | 150Ω 5% 0,1W |
| 3254 | 4822 051 20105 | 1M00 5% 0,1W |
| 3255 | 4822 051 20105 | 1M00 5% 0,1W |
| 3258 | 4822 051 20563 | 56K00 5% 0,1W |
| 3259 | 4822 051 20563 | 56K00 5% 0,1W |
| 3262 | 4822 051 20473 | 47K00 5% 0,1W |
| 3372 | 4822 051 20105 | 1MO 5% 0,1W |
| 3373 | 4822 051 20105 | 1MO 5% 0,1W |
| 3374 | 4822 051 20102 | 1K00 5% 0,1W |
| 3375 | 4822 051 20562 | 5K60 5% 0,1W |
| 3442 | 4822 051 20103 | 10K00 5% 0,1W |
| 3443 | 4822 051 20103 | 10K00 5% 0,1W |
| 3444 | 4822 051 20333 | 33K00 5% 0,1W |
| 3445 | 4822 051 20333 | 33K00 5% 0,1W |
| 3500 | 4822 051 20472 | 4K70 5% 0,1W |
| 3501 | 4822 051 20472 | 4K70 5% 0,1W |
| 3502 | 4822 051 20472 | 4K70 5% 0,1W |
| 3503 | 4822 051 20472 | 4K70 5% 0,1W |
| 3515 | 4822 051 20105 | 1M00 5% 0,1W |
| 3556 | 4822 051 20478 | 4R70 5% 0,1W |
| 3558 | 4822 051 20478 | 4R70 5% 0,1W |
| 3560 | 4822 051 20478 | 4R70 5% 0,1W |
| 3562 | 4822 051 20478 | 4R70 5% 0,1W |
| 3564 | 4822 051 20223 | 22K00 5% 0,1W |
| 3565 | 4822 051 20102 | 1K00 5% 0,1W |
| 3590 | 4822 051 20471 | 470Ω 5% 0,1W |
| 3591 | 4822 051 20334 | 330K00 5% 0,1W |
| 3600 | 4822 051 20184 | 180K00 5% 0,1W |
| 3601 | 4822 051 20333 | 33K00 5% 0,1W |
| 3602 | 4822 051 20473 | 47K00 5% 0,1W |
| 3603 | 4822 051 20103 | 10K00 5% 0,1W |
| 3604 | 4822 051 20473 | 47K00 5% 0,1W |
| 3605 | 4822 051 20109 | 10Ω 5% 0,1W |
| 3610 | 4822 051 20562 | 5K60 5% 0,1W |
| 3611 | 4822 051 20102 | 1K00 5% 0,1W |
| 3615 | 4822 051 20103 | 10K00 5% 0,1W |
| 3616 | 4822 051 20184 | 180K00 5% 0,1W |
| 3620 | 4822 051 20472 | 4K70 5% 0,1W |
| 3621 | 4822 051 20153 | 15K00 5% 0,1W |
| 3622 | 4822 051 20472 | 4K70 5% 0,1W |
| 3625 | 4822 116 40216 | 4R7 |
| 3630 | 4822 051 20184 | 180K00 5% 0,1W |
| 3631 | 4822 051 20473 | 47K00 5% 0,1W |
| 3632 | 4822 051 20473 | 47K00 5% 0,1W |
| 3650 | 4822 051 20473 | 47K00 5% 0,1W |
| 3651 | 4822 051 20473 | 47K00 5% 0,1W |
| 3652 | 4822 051 20473 | 47K00 5% 0,1W |
| 3654 | 4822 051 20103 | 10K00 5% 0,1W |
| 3655 | 4822 051 20103 | 10K00 5% 0,1W |
| 3656 | 4822 051 20473 | 47K00 5% 0,1W |

| | | |
|---|---|---|
| 3660 | 4822 051 20103 | 10K 5% 0,1W |
| 3661 | 4822 051 20475 | 4M7 5% 0,1W |
| 3662 | 4822 051 20334 | 330K 5% 0,1W |
| 3663 | 4822 051 20103 | 10K 5% 0,1W |
| 3664 | 4822 051 20103 | 10K 5% 0,1W |
| 3710 | 4822 051 20331 | 330Ω 5% 0,1W |
| 3711 | 4822 051 20105 | 1M00 5% 0,1W |
| 3712 | 4822 051 20105 | 1M00 5% 0,1W |
| 3713 | 4822 051 20223 | 22K00 5% 0,1W |
| 3714 | 4822 051 20223 | 22K00 5% 0,1W |
| 3715 | 4822 051 20105 | 1M00 5% 0,1W |
| 3716 | 4822 051 20104 | 100K00 5% 0,1W |
| 3717 | 4822 051 20104 | 100K00 5% 0,1W |
| 3777 | 4822 051 20221 | 220Ω 5% 0,1W |
| 3783 | 4822 051 20334 | 330K00 5% 0,1W |
| 3852 | 4822 051 20103 | 10K 5% 0,1W |
| 3853 | 4822 051 20222 | 2K20 5% 0,1W |
| 3854 | 4822 051 20184 | 180K00 5% 0,1W |
| 3860 | 4822 050 11002 | 1K00 1% 0,4W |
| 3861 | 4822 050 11002 | 1K00 1% 0,4W |
| 3862 | 4822 050 11002 | 1K00 1% 0,4W |
| 3863 | 4822 050 11002 | 1K00 1% 0,4W |
| 3864 | 4822 050 11002 | 1K00 1% 0,4W |
| 3865 | 4822 050 11002 | 1K00 1% 0,4W |
| 3866 | 4822 050 11002 | 1K00 1% 0,4W |
| 3870 | 4822 051 20152 | 1K5 5% 0,1W |
| 3871 | 4822 051 20562 | 5K60 5% 0,1W |
| 3872 | 4822 051 20222 | 2K2 5% 0,1W |
| 3875 | 4822 051 20152 | 1K50 5% 0,1W |
| 3876 | 4822 051 20152 | 1K50 5% 0,1W |
| 3877 | 4822 051 20152 | 1K50 5% 0,1W |
| 3878 | 4822 051 20152 | 1K50 5% 0,1W |
| 3879 | 4822 051 20332 | 3K30 5% 0,1W |
| 3880 | 4822 051 20562 | 5K60 5% 0,1W |
| 3880 | 4822 116 52215 | 220E 5% 0,5W |
| 3881 | 4822 116 52215 | 220E 5% 0,5W |
| 3882 | 4822 116 52215 | 220E 5% 0,5W |
| 4250 | 4822 051 20478 | 4R70 5% 0,1W |
| 4251 | 4822 051 20478 | 4R70 5% 0,1W |

| | | |
|---|---|---|
| 5050 | 4822 152 20677 | 10uH |
| 5051 | 4822 152 20677 | 10uH |
| 5052 | 4822 157 60122 | 4.7uH |
| 5053 | 4822 152 20677 | 10uH |
| 5054 | 4822 157 50975 | 1 MH |
| 5055 | 4822 152 20682 | Adj.ind. 6.15uH 10.7MHz |
| 5056 | 4822 152 20678 | 33UH |
| 5057 | 4822 152 20683 | Adj.ind. 28MHz 2.52MHz |
| 5058 | 4822 157 52983 | 22uH |
| 5059 | 4822 157 52983 | 22uH |
| 5070 | 4822 242 72076 | 10,700 000MC |
| 5071 | 4822 242 72076 | 10,700 000MC |
| 5072 | 4822 242 71883 | SFE10,7MS318-D |
| 5073 | 4822 242 71883 | SFE10,7MS318-D |
| 5117 | 4822 242 80368 | SFE10,7MS2W4-A |
| 5150 | 4822 156 11081 | Adj.ind.1.47uH 10.7MHz |
| 5180 | 4822 157 50975 | 1 MH |
| 5190 | 4822 242 71874 | XTL Res.4,MHz |
| 5200 | 4822 242 81117 | CSB456F11 |

| | | |
|---|---|---|
| 5570 | 4822 152 20681 | COIL FILTER ASSY |
| 5650 | 4822 242 81118 | CSA11,5MTS1 |
| 5651 | 4822 157 53338 | 1 mH |
| 5761 | 4822 242 80259 | LN-G8-311(TPR11) |
| 5762 | 4822 242 81118 | CSA11,5MTS1 |

| | | |
|---|---|---|
| 6002 | 4822 252 60125 | DSP201 |
| 6051 | 4822 130 82596 | BB419 |
| 6100 | 4822 130 30621 | 1N4148 |
| 6150 | 5322 130 31928 | BAS16 |
| 6201 | 5322 130 31928 | BAS16 |
| 6570 | 5322 130 30684 | 1N4002 |
| 6590 | 5322 130 31928 | BAS16 |
| 6600 | 5322 130 80214 | BAS28 |
| 6605 | 4822 130 30621 | 1N4148 |
| 6606 | 4822 130 30621 | 1N4148 |
| 6607 | 5322 130 30684 | 1N4002 |
| 6610 | 4822 130 34174 | BZX79-C4V7 |
| 6870 | 5322 130 80214 | BAS28 |
| 6871 | 5322 130 80214 | BAS28 |
| 6874 | 5322 130 31928 | BAS16 |
| 6875 | 5322 130 31928 | BAS16 |
| 6880 | 4822 130 82989 | LED TLHO2400 |
| 6881 | 4822 130 82989 | LED TLHO2400 |
| 6882 | 4822 130 82989 | LED TLHO2400 |
| 6883 | 4822 130 82989 | LED TLHO2400 |
| 6884 | 4822 130 82989 | LED TLHO2400 |
| 6885 | 4822 130 82989 | LED TLHO2400 |
| 6886 | 4822 130 82989 | LED TLHO2400 |
| 6887 | 4822 130 82989 | LED TLHO2400 |
| 6888 | 4822 130 82989 | LED TLHO2400 |
| 6889 | 4822 130 82989 | LED TLHO2400 |
| 6890 | 4822 130 82989 | LED TLHO2400 |
| 6891 | 4822 130 82989 | LED TLHO2400 |

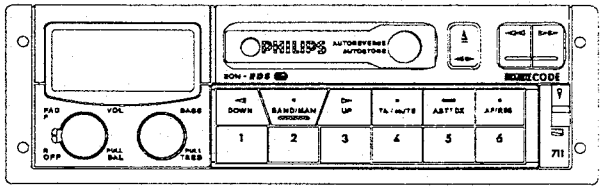
| | | |
|---|---|---|
| 7050 | 4822 209 72247 | TEA6200/V2 |
| 7052 | 5322 130 41983 | BC858B |
| 7150 | 4822 209 73507 | TEA6100/N3 |
| 7152 | 4822 130 60511 | BC847B |
| 7180 | 4822 209 30858 | TSA6057/C1 |
| 7200 | 4822 130 60511 | BC847B |
| 7202 | 5322 130 41983 | BC858B |
| 7210 | 4822 209 30859 | TDA1591/V3 |
| 7212 | 4822 130 60511 | BC847B |
| 7250 | 4822 209 63939 | TA7705F |
| 7370 | 5322 209 11102 | HEF4052BT |
| 7500 | 4822 209 31193 | TDA1526 |
| 7515 | 4822 130 60511 | BC847B |
| 7550 | 4822 209 31132 | TDA7374V |
| 7590 | 4822 130 60511 | BC847B |
| 7591 | 4822 130 60511 | BC847B |
| 7600 | 4822 209 63938 | L4918 |
| 7601 | 4822 130 62651 | ON4414 |
| 7603 | 5322 130 41983 | BC858B |
| 7604 | 4822 130 60511 | BC847B |
| 7605 | 5322 130 41983 | BC858B |
| 7606 | 4822 209 31373 | L4949 |
| 7607 | 5322 209 60749 | LM2931Z-5.0 |

| | | |
|---|---|---|
| 7611 | 5322 130 41983 | BC858B |
| 7630 | 4822 130 60511 | BC847B |
| 7650 | 4822 209 31371 | UP PCF83C528 OTP.MAIN |
| 7651 | 5322 209 11306 | HEF4094BT |
| 7660 | 4822 130 60511 | BC847B |
| 7661 | 4822 130 60511 | BC847B |
| 7710 | 4822 130 60511 | BC847B |
| 7711 | 4822 130 60511 | BC847B |
| 7712 | 5322 130 41983 | BC858B |
| 7750 | 4822 209 62524 | X24C16P |
| 7751 | 4822 209 52218 | UP PCF83C654 OTP RDS |
| 7752 | 5322 209 60424 | PC74HC573T |
| 7753 | 4822 209 31163 | FCF61C65LL-85T |
| 7780 | 4822 209 83159 | LA2000 |

4650

# Cassette car radio 22DC711/00

Service
Service
Service



## Supplement

For repair information of the Cassette deck see Service Manual N° 4822.725.23368 of Auto Cassette Deck P6-25/1

# ServiceManual

12 V

From week 92 40, FD 00 become FD01

Reason :

- For pin A4 / A7 compatibility with German cars
- Various improvements since starting of production ( as Printed Wiring Board supplier change ).

Consequences :

- new PCB wiring diagram.
- Updated schematic diagrams.
- new electrical parts-list.

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| RFD schematic diagram | -3-3a |
| CTR schematic diagram | -4-4a |
| Main panel PCB layout | -5-5a |
| SPM schematic diagram | -6-6a |
| FHD schematic diagram | -7-7a |
| APS schematic diagram | -8-8a |
| Electrical partslist | -9-9a-10-10a |


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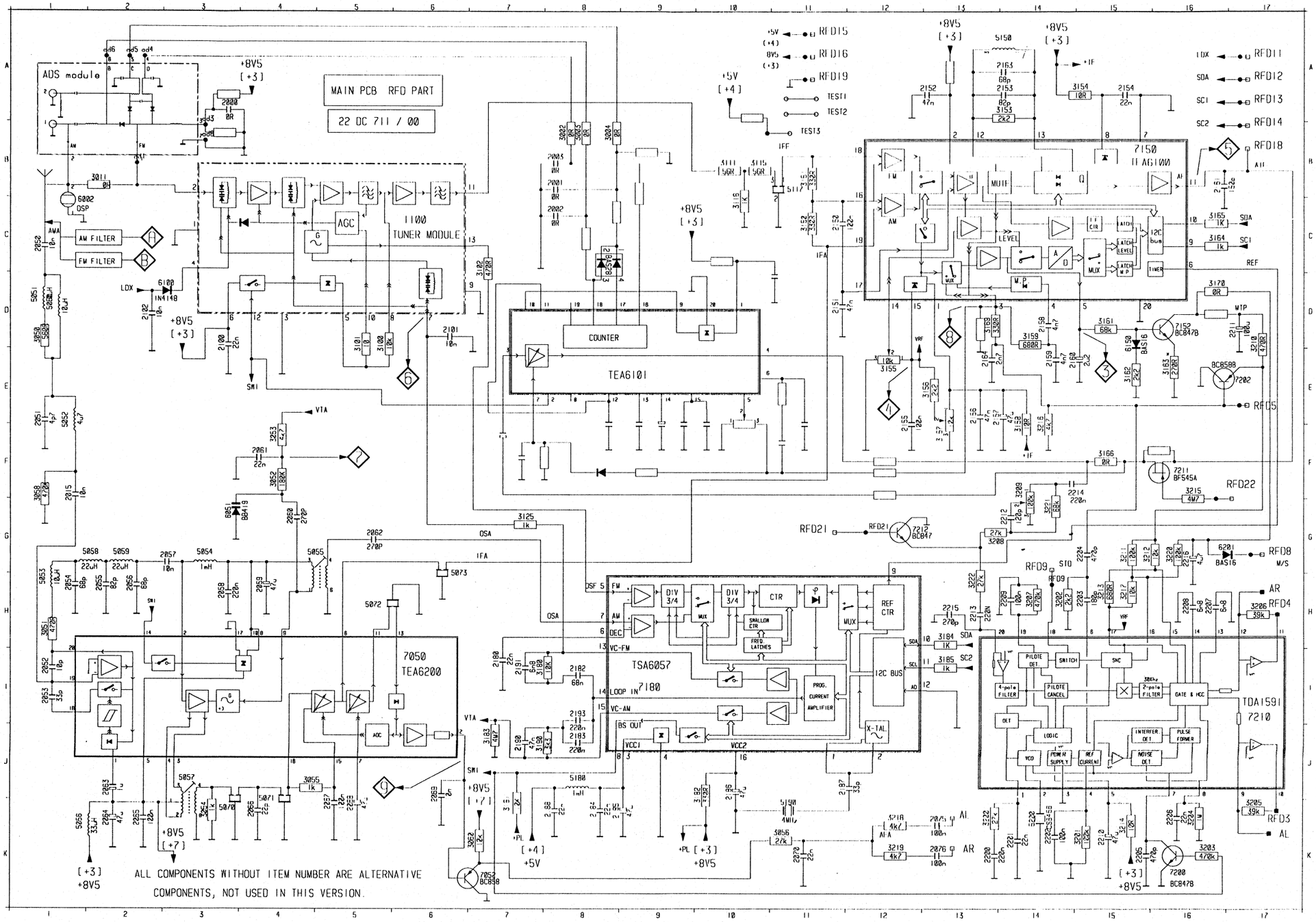
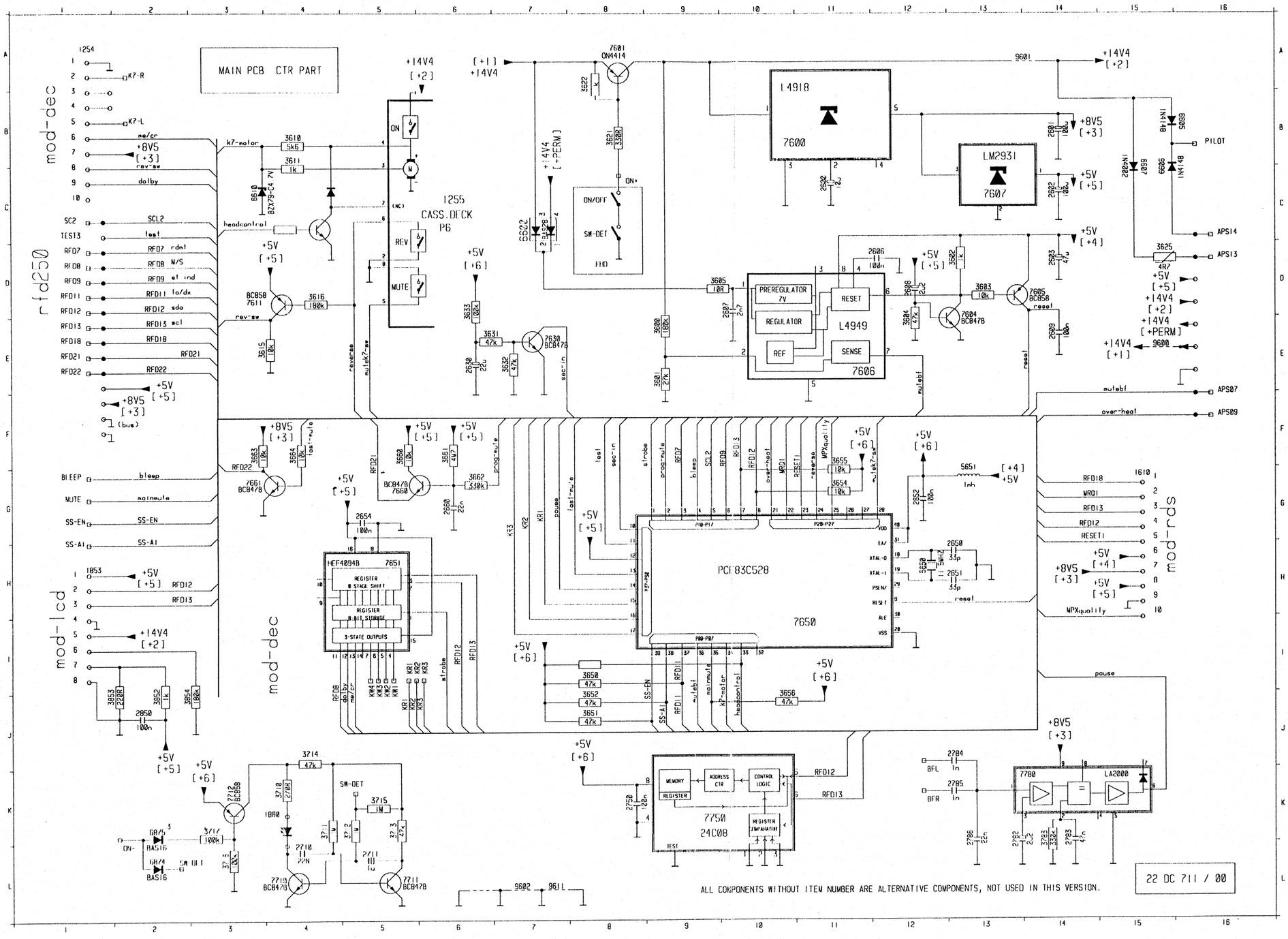
PCS68 120

**Technician's - Remarks**

Sup2

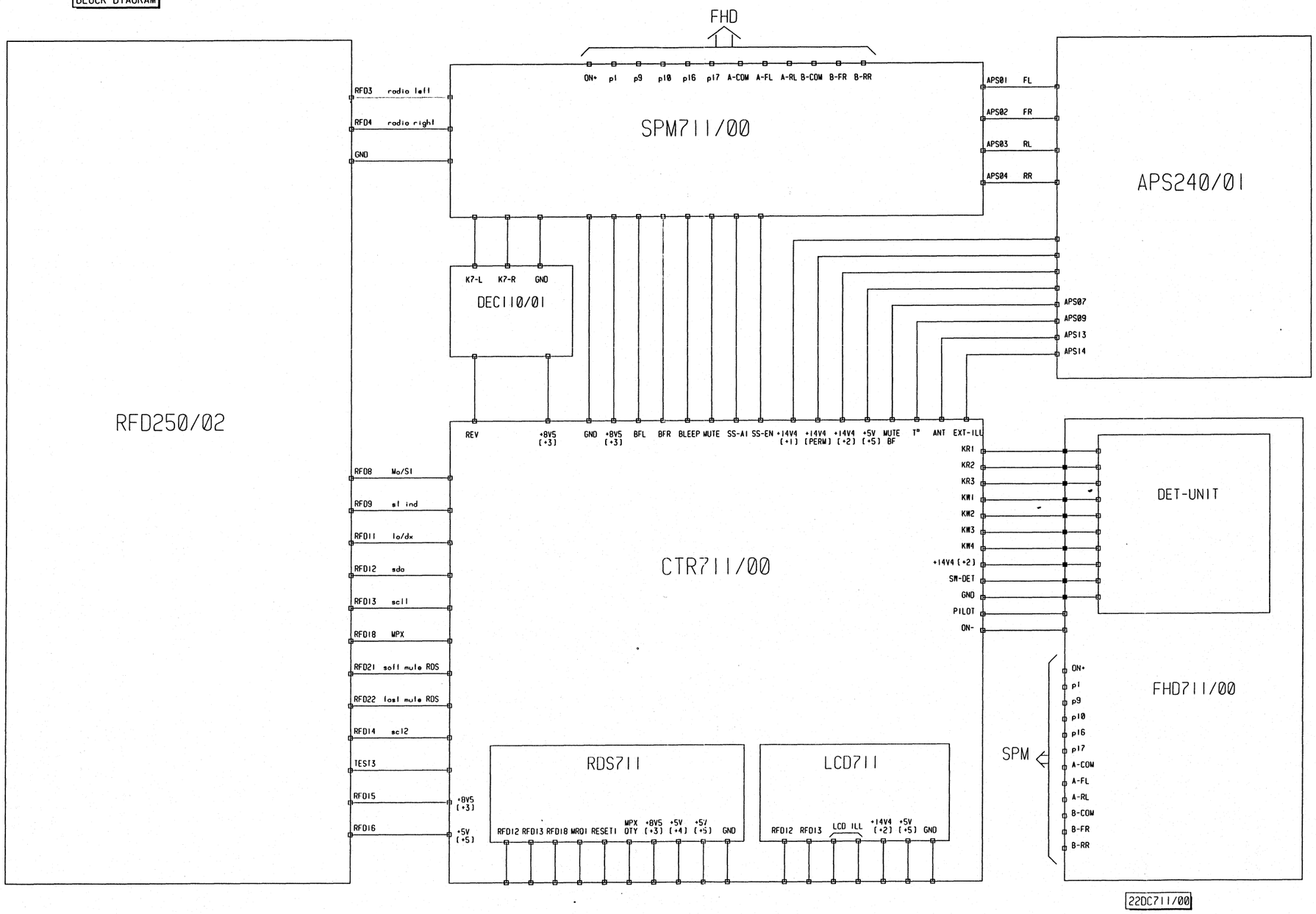



| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1100 | C 6 | 3011 | B 2 | 6021 | F 8 | | |
| 2000 | A 3 | 3012 | F12 | 6022 | C 1 | | |
| 2001 | B 8 | 3013 | F 7 | 6051 | G 3 | | |
| 2002 | C 8 | 3014 | F 9 | 6100 | C 2 | | |
| 2003 | B 8 | 3015 | B 9 | 6150 | D15 | | |
| 2005 | D10 | 3016 | C10 | 6201 | G16 | | |
| 2006 | F 7 | 3050 | D 1 | 7001 | E10 | | |
| 2007 | F 7 | 3051 | H 1 | 7050 | I 6 | | |
| 2008 | E 8 | 3052 | F 4 | 7052 | K 7 | | |
| 2009 | E 9 | 3053 | F 4 | 7150 | B15 | | |
| 2010 | E 9 | 3054 | K 3 | 7152 | D16 | | |
| 2011 | E 9 | 3055 | J 4 | 7180 | I 9 | | |
| 2012 | F11 | 3056 | K11 | 7200 | K16 | | |
| 2013 | E11 | 3058 | F 1 | 7202 | E17 | | |
| 2014 | E10 | 3060 | K 7 | 7210 | I17 | | |
| 2015 | F 1 | 3100 | D 5 | 7211 | F16 | | |
| 2050 | C 1 | 3101 | D 5 | 7212 | G12 | | |
| 2051 | E 1 | 3102 | C 7 | | | | |
| 2052 | I 1 | 3111 | B10 | | | | |
| 2053 | I 1 | 3115 | B10 | | | | |
| 2054 | H 1 | 3116 | C10 | | | | |
| 2055 | H 2 | 3125 | G 7 | | | | |
| 2056 | H 2 | 3150 | C11 | | | | |
| 2057 | G 3 | 3151 | B11 | | | | |
| 2058 | H 3 | 3152 | A13 | | | | |
| 2059 | H 4 | 3153 | A14 | | | | |
| 2060 | G 4 | 3154 | A15 | | | | |
| 2061 | F 4 | 3155 | E12 | | | | |
| 2062 | G 5 | 3156 | E13 | | | | |
| 2063 | J 2 | 3157 | F13 | | | | |
| 2064 | K 2 | 3158 | E14 | | | | |
| 2065 | K 2 | 3159 | D14 | | | | |
| 2066 | K 4 | 3160 | D13 | | | | |
| 2067 | K 5 | 3161 | D15 | | | | |
| 2068 | K 5 | 3162 | E15 | | | | |
| 2069 | J 6 | 3163 | E16 | | | | |
| 2070 | K11 | 3164 | C16 | | | | |
| 2075 | K13 | 3165 | C16 | | | | |
| 2076 | K13 | 3166 | F15 | | | | |
| 2100 | D 3 | 3167 | A10 | | | | |
| 2101 | D 6 | 3168 | D16 | | | | |
| 2102 | D 2 | 3169 | D13 | | | | |
| 2150 | C11 | 3170 | D16 | | | | |
| 2151 | D11 | 3171 | F12 | | | | |
| 2152 | A13 | 3180 | I 7 | | | | |
| 2153 | A14 | 3181 | K 7 | | | | |
| 2154 | A15 | 3182 | J10 | | | | |
| 2155 | E12 | 3183 | J 7 | | | | |
| 2156 | E13 | 3184 | H13 | | | | |
| 2157 | E13 | 3185 | I13 | | | | |
| 2158 | D14 | 3190 | J 7 | | | | |
| 2159 | E14 | 3200 | K13 | | | | |
| 2160 | E14 | 3201 | K15 | | | | |
| 2161 | B16 | 3202 | H14 | | | | |
| 2163 | A14 | 3203 | K16 | | | | |
| 2164 | E13 | 3204 | K16 | | | | |
| 2180 | I 7 | 3205 | K17 | | | | |
| 2182 | I 8 | 3206 | H17 | | | | |
| 2183 | J 8 | 3207 | H14 | | | | |
| 2184 | K 8 | 3208 | G13 | | | | |
| 2185 | K 8 | 3209 | F14 | | | | |
| 2186 | J10 | 3210 | D17 | | | | |
| 2187 | J11 | 3211 | G15 | | | | |
| 2188 | K 8 | 3212 | G15 | | | | |
| 2190 | J 7 | 3213 | H15 | | | | |
| 2191 | I 7 | 3214 | K15 | | | | |
| 2193 | I 8 | 3215 | F16 | | | | |
| 2200 | K13 | 3216 | E14 | | | | |
| 2201 | K14 | 3217 | H15 | | | | |
| 2202 | K14 | 3218 | K12 | | | | |
| 2203 | H15 | 3219 | K12 | | | | |
| 2204 | G15 | 3220 | G16 | | | | |
| 2205 | K15 | 3221 | G14 | | | | |
| 2206 | K16 | 3222 | H13 | | | | |
| 2207 | H16 | 3223 | F16 | | | | |
| 2208 | H16 | 5050 | D 1 | | | | |
| 2209 | H14 | 5051 | D 1 | | | | |
| 2210 | K15 | 5052 | E 1 | | | | |
| 2211 | D17 | 5053 | H 1 | | | | |
| 2212 | G14 | 5054 | G 3 | | | | |
| 2213 | H13 | 5055 | G 4 | | | | |
| 2214 | F14 | 5056 | K 1 | | | | |
| 2215 | H13 | 5057 | J 3 | | | | |
| 2216 | G16 | 5058 | G 1 | | | | |
| 3000 | B 3 | 5059 | G 2 | | | | |
| 3001 | A 3 | 5070 | K 3 | | | | |
| 3002 | B 8 | 5071 | K 4 | | | | |
| 3003 | B 8 | 5072 | H 5 | | | | |
| 3004 | B 8 | 5073 | H 6 | | | | |
| 3005 | C 8 | 5117 | B11 | | | | |
| 3006 | C 8 | 5150 | A13 | | | | |
| 3007 | B 9 | 5180 | J 8 | | | | |
| 3008 | E11 | 5192 | K11 | | | | |
| 3009 | F12 | 5200 | K14 | | | | |
| 3010 | E10 | 6000 | C 8 | | | | |



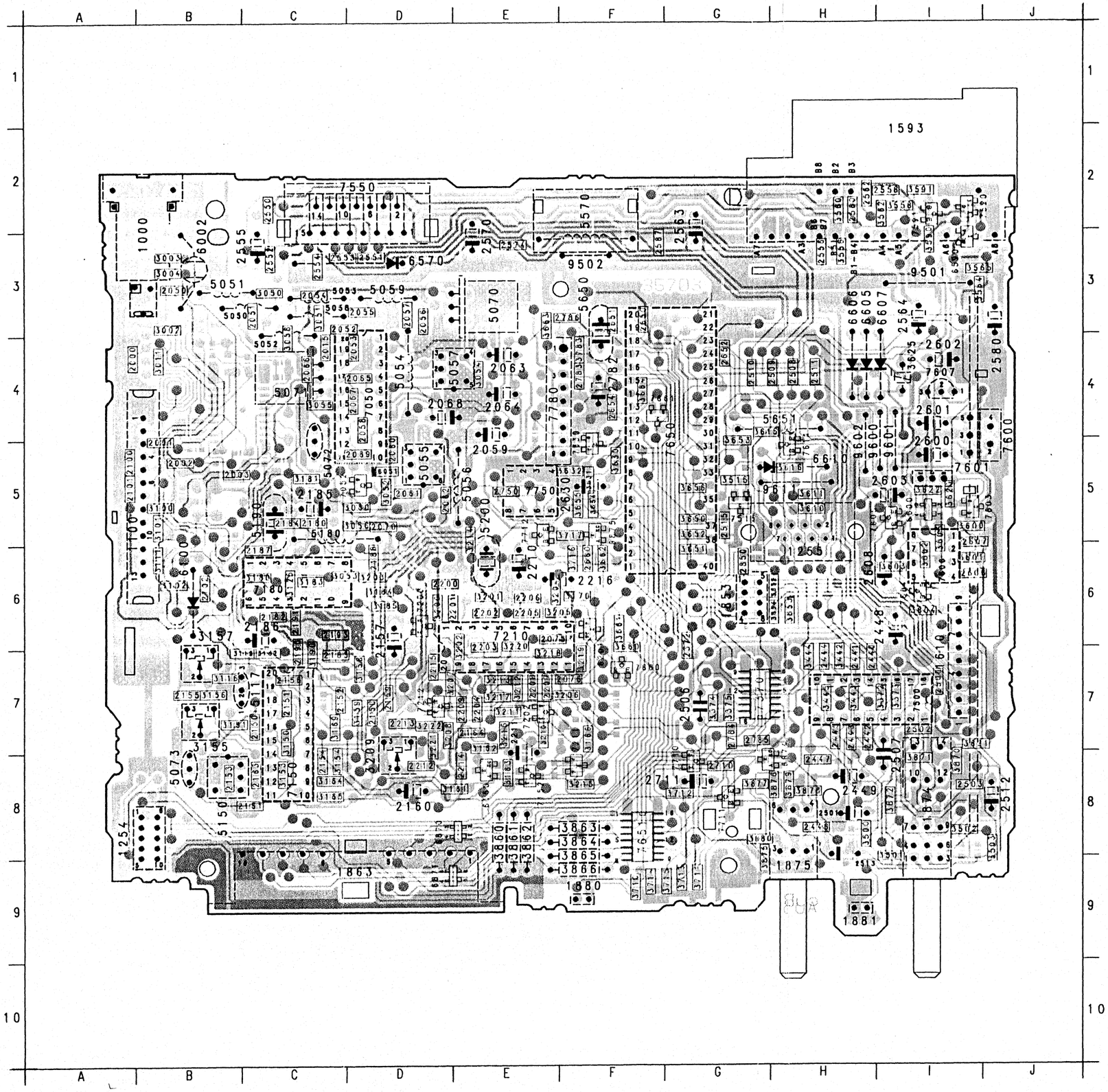

2600 C11
2601 B14
2602 C14
2603 D14
2606 D12
2607 D10
2608 D12
2609 E14
2630 E 7
2650 H13
2651 H13
2652 G13
2654 G15
2660 G 6
2710 L 4
2711 L 5
2750 K 9
2780 K14
2783 K15
2784 J13
2785 K13
2786 K13
2850 F 9
3600 F 9
3601 E 9
3602 D13
3603 E13
3604 E12
3605 D10
3610 B 4
3611 B 4
3615 E 4
3616 D 5
3621 B 8
3622 A 8
3625 D16
3631 E 7
3632 E 7
3633 E 7
3650 I 8
3651 J 8
3652 J 8
3653 I 8
3654 G11
3655 F11
3656 J11
3660 F 6
3661 F 6
3662 G 7
3663 F 4
3664 F 4
3710 K 4
3711 K 5
3712 K 5
3713 K 6
3714 J 4
3715 K 5
3716 K 5
3717 K 5
3720 C 4
3783 K14
3852 J 2
3853 J 5
3854 J 5
5650 H13
5651 G13
6600 C 7
6605 B16
6606 C16
6607 C15
6610 C 4
6720 C 5
6824 K 2
6825 K 2
7600 B11
7601 A 9
7604 E13
7605 D14
7606 E12
7607 C13
7611 D 4
7630 E 8
7650 I11
7651 H 6
7660 G 6
7661 G 4
7710 L 4
7711 L 6
7712 K 5
7720 C 5
7750 K10
7780 K14
9600 E16
9601 A14
9602 L 7
9611 L 8

BLOCK DIAGRAM



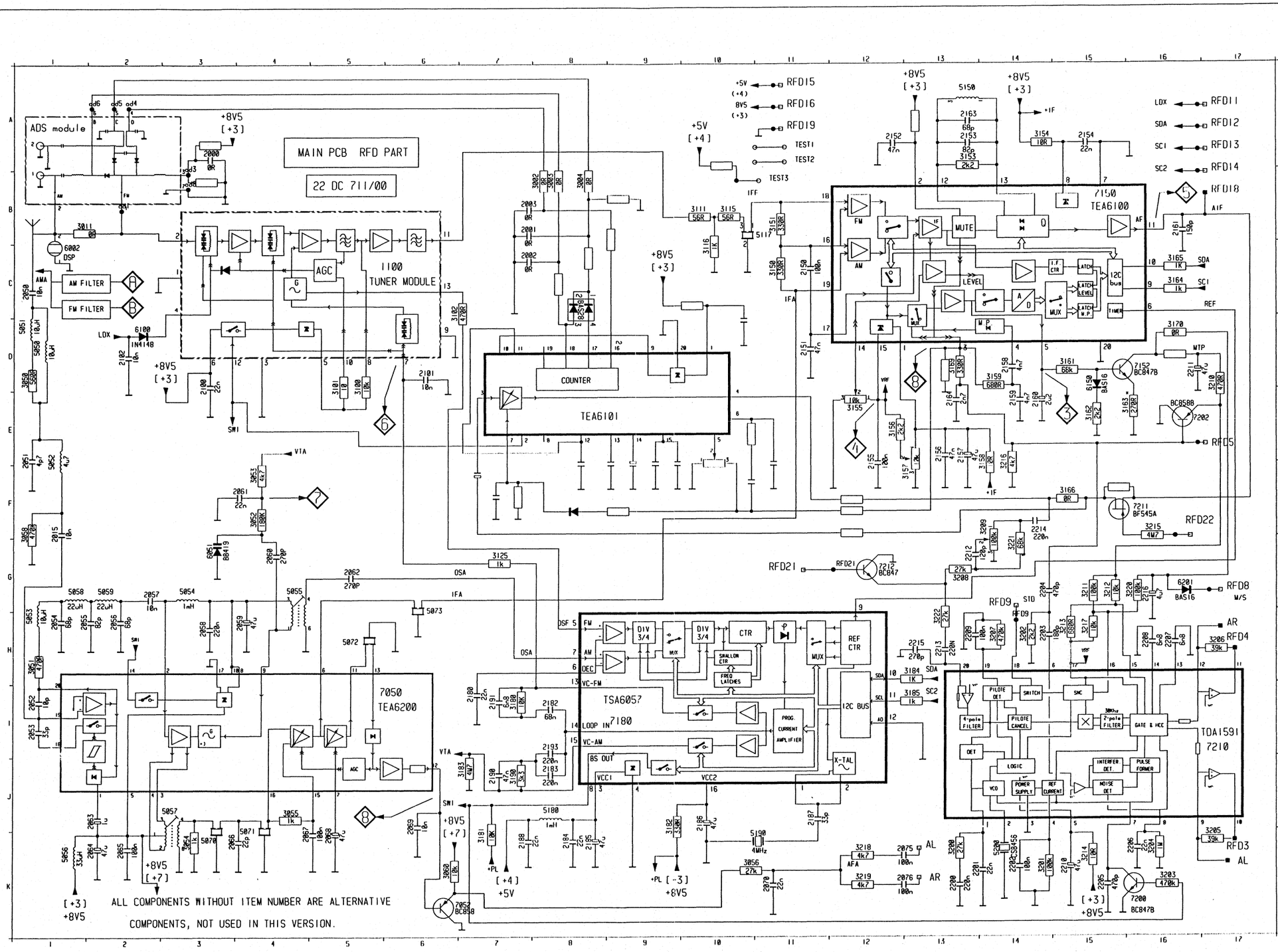

PCS 61925

# MAIN PANEL




| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1000 | 3B | 2449 | 8H | 3190 | 7C | 3872 | 8I |
| 1100 | 5B | 2500 | 7I | 3200 | 6D | 3875 | 9G |
| 1254 | 8A | 2501 | 8H | 3201 | 6E | 3876 | 8H |
| 1255 | 6H | 2502 | 7I | 3202 | 6E | 3877 | 8G |
| 1593 | 2I | 2503 | 8I | 3203 | 6D | 3878 | 8H |
| 1610 | 7I | 2506 | 7G | 3204 | 6F | 3879 | 8H |
| 1853 | 6G | 2507 | 8I | 3205 | 6F | 3880 | 8G |
| 1863 | 9D | 2508 | 4H | 3206 | 7F | 5050 | 3B |
| 1874 | 8I | 2509 | 4H | 3207 | 7E | 5051 | 3B |
| 1875 | 9H | 2510 | 4G | 3208 | 7E | 5052 | 4C |
| 1880 | 9F | 2511 | 4H | 3209 | 8D | 5053 | 3D |
| 1881 | 9H | 2512 | 8J | 3210 | 7E | 5054 | 4D |
| 2000 | 4B | 2513 | 9H | 3211 | 7E | 5055 | 5D |
| 2001 | 4B | 2515 | 5G | 3212 | 7E | 5056 | 5E |
| 2002 | 5B | 2550 | 2C | 3213 | 7E | 5057 | 4E |
| 2003 | 5C | 2551 | 3D | 3214 | 5E | 5058 | 3C |
| 2015 | 4C | 2552 | 3C | 3215 | 8F | 5059 | 3D |
| 2050 | 3B | 2553 | 3D | 3216 | 7E | 5070 | 3E |
| 2051 | 3C | 2554 | 3C | 3217 | 7E | 5071 | 4C |
| 2052 | 3D | 2555 | 3C | 3218 | 7E | 5072 | 5C |
| 2053 | 4D | 2556 | 3H | 3219 | 7F | 5073 | 8B |
| 2054 | 3C | 2558 | 2I | 3220 | 6E | 5117 | 7C |
| 2055 | 3D | 2560 | 2H | 3221 | 7D | 5150 | 8B |
| 2056 | 3D | 2562 | 2H | 3222 | 7D | 5180 | 5C |
| 2057 | 3D | 2563 | 2G | 3372 | 7I | 5190 | 5C |
| 2058 | 4D | 2564 | 3I | 3373 | 7I | 5200 | 5E |
| 2059 | 5E | 2570 | 3E | 3374 | 7G | 5570 | 2F |
| 2060 | 5D | 2574 | 3E | 3375 | 7G | 5650 | 3F |
| 2061 | 5D | 2580 | 4J | 3442 | 7H | 5651 | 4H |
| 2062 | 5D | 2587 | 3G | 3443 | 7H | 6002 | 3B |
| 2063 | 4E | 2600 | 5I | 3444 | 7H | 6051 | 5D |
| 2064 | 4E | 2601 | 4I | 3445 | 7H | 6100 | 6B |
| 2065 | 4D | 2602 | 4I | 3500 | 8H | 6150 | 8E |
| 2066 | 4C | 2603 | 5I | 3501 | 9I | 6201 | 7F |
| 2067 | 4D | 2606 | 6I | 3502 | 8I | 6570 | 3D |
| 2068 | 4D | 2607 | 6I | 3503 | 8J | 6590 | 3I |
| 2069 | 5D | 2608 | 6H | 3515 | 5G | 6600 | 5I |
| 2070 | 5D | 2630 | 5F | 3556 | 3H | 6605 | 3H |
| 2075 | 6E | 2650 | 3F | 3558 | 2I | 6606 | 3H |
| 2076 | 7F | 2651 | 3F | 3560 | 2H | 6607 | 3I |
| 2100 | 5A | 2652 | 4G | 3562 | 2I | 6610 | 5H |
| 2101 | 5A | 2654 | 4F | 3564 | 3J | 6870 | 8D |
| 2102 | 6B | 2660 | 6F | 3565 | 3J | 6871 | 9D |
| 2150 | 7C | 2710 | 8G | 3590 | 3I | 6874 | 8H |
| 2151 | 7C | 2711 | 8G | 3591 | 2I | 6875 | 5F |
| 2152 | 7C | 2750 | 5E | 3600 | 5I | 7050 | 4D |
| 2153 | 8B | 2782 | 4F | 3601 | 6I | 7052 | 5D |
| 2154 | 8C | 2783 | 4F | 3602 | 6I | 7150 | 8C |
| 2155 | 7B | 2784 | 7G | 3603 | 6I | 7152 | 8E |
| 2156 | 7C | 2785 | 7G | 3604 | 6I | 7180 | 6C |
| 2157 | 6D | 2786 | 3F | 3605 | 5I | 7200 | 6D |
| 2158 | 7D | 2850 | 6G | 3610 | 5H | 7202 | 7E |
| 2159 | 7D | 3002 | 3B | 3611 | 5H | 7210 | 6E |
| 2160 | 8D | 3003 | 3B | 3615 | 4H | 7211 | 7F |
| 2161 | 8C | 3004 | 3B | 3616 | 5H | 7212 | 7D |
| 2163 | 8C | 3011 | 4B | 3620 | 5I | 7370 | 7G |
| 2164 | 7E | 3050 | 3C | 3621 | 7I | 7500 | 7I |
| 2180 | 5C | 3051 | 3C | 3622 | 5I | 7515 | 5G |
| 2182 | 6C | 3052 | 5D | 3625 | 4I | 7550 | 2D |
| 2183 | 7C | 3053 | 6D | 3630 | 5F | 7590 | 2J |
| 2184 | 5C | 3054 | 4E | 3631 | 5F | 7591 | 2I |
| 2185 | 5C | 3055 | 4C | 3632 | 5F | 7600 | 5J |
| 2186 | 6C | 3056 | 5D | 3650 | 5G | 7601 | 5J |
| 2187 | 6C | 3058 | 4C | 3651 | 6G | 7603 | 5J |
| 2188 | 6D | 3060 | 5D | 3652 | 5G | 7604 | 6I |
| 2190 | 7C | 3100 | 5B | 3653 | 5G | 7605 | 5I |
| 2191 | 6C | 3101 | 5B | 3654 | 5F | 7606 | 6I |
| 2193 | 6C | 3102 | 6B | 3655 | 5F | 7607 | 4I |
| 2200 | 6D | 3111 | 6B | 3656 | 5G | 7611 | 5H |
| 2201 | 6E | 3115 | 7C | 3660 | 7F | 7630 | 5F |
| 2202 | 6E | 3116 | 7B | 3661 | 6F | 7650 | 5G |
| 2203 | 6E | 3125 | 6C | 3662 | 6F | 7651 | 8F |
| 2204 | 7E | 3150 | 7C | 3663 | 3E | 7660 | 7F |
| 2205 | 6E | 3151 | 7B | 3664 | 4F | 7661 | 4G |
| 2206 | 6E | 3153 | 8C | 3710 | 9F | 7710 | 8G |
| 2207 | 7E | 3154 | 8C | 3711 | 9G | 7711 | 8G |
| 2208 | 7E | 3155 | 7H | 3712 | 8G | 7712 | 5E |
| 2209 | 7E | 3156 | 7B | 3713 | 9G | 7750 | 5E |
| 2210 | 6E | 3157 | 6B | 3714 | 9F | 7780 | 4E |
| 2211 | 7E | 3158 | 7D | 3715 | 9G | 9501 | 3I |
| 2212 | 8D | 3159 | 7D | 3716 | 6F | 9502 | 3F |
| 2213 | 7D | 3161 | 8E | 3717 | 5F | 9600 | 5I |
| 2214 | 8E | 3162 | 7E | 3783 | 4F | 9601 | 5I |
| 2215 | 7D | 3163 | 8E | 3852 | 6H | 9602 | 5H |
| 2216 | 6F | 3164 | 8C | 3853 | 6H | 9611 | 5H |
| 2372 | 6G | 3165 | 8C | 3854 | 6H | | |
| 2440 | 7I | 3166 | 7F | 3860 | 8E | | |
| 2441 | 7H | 3169 | 7C | 3861 | 8E | | |
| 2442 | 7H | 3170 | 6F | 3862 | 8E | | |
| 2443 | 7H | 3180 | 6C | 3863 | 8F | | |
| 2444 | 7H | 3181 | 5C | 3864 | 8F | | |
| 2445 | 7H | 3182 | 7C | 3865 | 8F | | |
| 2446 | 8H | 3183 | 6C | 3866 | 9F | | |
| 2447 | 8H | 3184 | 6D | 3870 | 8I | | |
| 2448 | 6I | 3185 | 6D | 3871 | 8I | | |

Supl




| | | | |
|---|---|---|---|
| 1100 | C 6 | 3161 | D15 |
| 2000 | A 3 | 3162 | E15 |
| 2001 | B 8 | 3163 | E16 |
| 2002 | C 8 | 3164 | C16 |
| 2003 | B 8 | 3165 | C16 |
| 2015 | F 1 | 3166 | F15 |
| 2050 | C 1 | 3169 | D13 |
| 2051 | E 1 | 3170 | D16 |
| 2052 | I 1 | 3180 | I 7 |
| 2053 | I 1 | 3181 | K 7 |
| 2054 | H 1 | 3182 | J10 |
| 2055 | H 2 | 3183 | J 7 |
| 2056 | H 2 | 3184 | H13 |
| 2057 | G 3 | 3185 | I13 |
| 2058 | H 3 | 3190 | J 7 |
| 2059 | H 4 | 3200 | K13 |
| 2060 | G 4 | 3201 | K15 |
| 2061 | F 4 | 3202 | H14 |
| 2062 | G 5 | 3203 | K16 |
| 2063 | J 2 | 3204 | K16 |
| 2064 | K 2 | 3205 | K17 |
| 2065 | K 2 | 3206 | H17 |
| 2066 | K 4 | 3207 | H14 |
| 2067 | K 5 | 3208 | G13 |
| 2068 | K 5 | 3209 | F14 |
| 2069 | J 6 | 3210 | D17 |
| 2070 | K11 | 3211 | G15 |
| 2075 | K13 | 3212 | G15 |
| 2076 | K13 | 3213 | H15 |
| 2100 | D 3 | 3214 | K15 |
| 2101 | D 6 | 3215 | F16 |
| 2102 | D 2 | 3216 | E14 |
| 2150 | E11 | 3217 | H15 |
| 2151 | D11 | 3218 | K12 |
| 2152 | A13 | 3219 | K12 |
| 2153 | A14 | 3220 | G16 |
| 2154 | A15 | 3221 | G14 |
| 2155 | E12 | 3222 | H13 |
| 2156 | E13 | 5050 | D 1 |
| 2157 | E13 | 5051 | D 1 |
| 2158 | D14 | 5052 | E 1 |
| 2159 | E14 | 5053 | H 1 |
| 2160 | E14 | 5054 | G 3 |
| 2161 | B16 | 5055 | G 4 |
| 2163 | A14 | 5056 | K 1 |
| 2164 | E13 | 5057 | J 3 |
| 2180 | I 7 | 5058 | G 1 |
| 2182 | I 8 | 5059 | G 2 |
| 2183 | J 8 | 5070 | K 3 |
| 2184 | K 8 | 5071 | K 4 |
| 2185 | K 8 | 5072 | H 5 |
| 2186 | J10 | 5073 | H 6 |
| 2187 | J11 | 5117 | B11 |
| 2188 | K 8 | 5150 | A13 |
| 2190 | J 7 | 5180 | J 8 |
| 2191 | I 7 | 5190 | K11 |
| 2193 | I 8 | 5200 | K14 |
| 2200 | K13 | 6000 | C 8 |
| 2201 | K14 | 6002 | C 1 |
| 2202 | K14 | 6051 | G 3 |
| 2203 | H15 | 6100 | C 2 |
| 2204 | G15 | 6150 | D15 |
| 2205 | K15 | 6201 | G16 |
| 2206 | K16 | 7050 | I 6 |
| 2207 | H16 | 7052 | K 7 |
| 2208 | H16 | 7150 | B15 |
| 2209 | H14 | 7152 | D16 |
| 2210 | K15 | 7180 | I 9 |
| 2211 | D17 | 7200 | K16 |
| 2212 | G14 | 7202 | E17 |
| 2213 | H13 | 7210 | I17 |
| 2214 | F14 | 7211 | F16 |
| 2215 | H13 | 7212 | G12 |
| 2216 | G16 | | |
| 3002 | B 8 | | |
| 3003 | B 8 | | |
| 3004 | B 8 | | |
| 3011 | B 2 | | |
| 3158 | E14 | | |
| 3159 | D14 | | |

| | | | |
|---|---|---|---|
| 3050 | D 1 | | |
| 3051 | H 1 | | |
| 3052 | F 4 | | |
| 3053 | F 4 | | |
| 3054 | K 3 | | |
| 3055 | J 4 | | |
| 3056 | K11 | | |
| 3058 | F 1 | | |
| 3060 | K 7 | | |
| 3100 | D 5 | | |
| 3101 | D 5 | | |
| 3102 | C 7 | | |
| 3111 | B10 | | |
| 3115 | B10 | | |
| 3116 | C10 | | |
| 3125 | G 7 | | |
| 3150 | C11 | | |
| 3151 | B11 | | |
| 3152 | A13 | | |
| 3153 | A14 | | |
| 3154 | A15 | | |
| 3155 | E12 | | |
| 3156 | E13 | | |
| 3157 | F13 | | |

MAIN PCB CTR PART

mod-dec

mod-cd

1254

1255 CASS DECK P6

7600 L4918

7607 LM2931

7606 L4949

7650 PCF83C528

7660 BC847B

7661 BC847B

7604 BC847B

7605 BC858

7610 BC858

7630 BC847B

7710 BC847B

7711 BC847B

7712 BC858

7750 X2416P

7780 LA2000

7651 HEF4094B

6875 BAS116

6874 BAS116

6602 BZX79-C4V7

6610 BZX79-C4V7

6606 IN4148

6607 IN4148

6609 IN4148

6605 IN4148

6604 IN4148

5699 IN4148

ALL COMPONENTS WITHOUT ITEM NUMBER ARE ALTERNATIVE COMPONENTS , NOT USED IN THIS VERSION

22 DC 711/00

PCS 61928

For checking and adjusting see general procedures

| Check | SK | | | | Setting of controls | | |
|---|---|---|---|---|---|---|---|
| Demodulated FM levels | FM | 98 MHz 1 mV<br>Δf=22.5 KHz<br>f mod = 1 KHz | B | | | 5 200 mV ± 1 dB | |
| | | 98 MHz 1 mV<br>Δf = 6.75 KHz<br>f mod = 19 KHz | | | | 5 60 mV ± 1 dB | |
| | | 98 MHz 1 mV<br>Δf = 3.75 KHz<br>f mod = 57 KHz | | | | 5 32 mV ± 2 dB | |
| Demodulated AM level | MW | 1053 KHz 1 mV<br>1 KHz, 30% AM | A | | | 250 mV ≤ 8 ≤ 500 mV | |
| VC FM | FM | | | 87.5 MHz | | 6 > 1.0 V | |
| | | | | 108 MHz | | 6 < 6.5 V | |
| VC AM | LW | | | 144 KHz | | 7 > 0.8 V | |
| | MW | | | 1611 KHz | | 7 < 6.5 V | |
| Search level AM | MW | 990 KHz 70μV | A | | | 3 1.75 V DC ± 0.1 V | |
| FM mute | | 93 Mhz 1 mv | | | | 1 2 0 dB (775mV) | |
| | | no signal | | | | 1 2 <-16 dB | |

| Adjustment | SK | | | | | |
|---|---|---|---|---|---|---|
| Quad detector | FM | 93 MHz 40μV<br>Δf = 22.5 KHz | B | 93 MHz | 5150 | 4 ≤200 mV 5 |
| FM limiting sensivity | FM | 93 MHz 13 μV<br>Δf = 22.5 KHz<br>f mod = 1 KHz | B | 93 MHz | 3155 | 8 1.6 V ± 0.1V |
| Search level AM | MW | 990 KHz 70μV<br>unmodulated | A | 990 KHz | 3175 | 3 1.75 V ± 0.1V |

ESD

**WARNING**

All ICs and many other semi-conductors are susceptible to electrostatic discharges (ESD). Careless handling during repair can reduce life drastically.
When repairing, make sure that you are connected with the same potential as the mass of the set via a wrist wrap with resistance. Keep components and tools also at this potential.

## DC VOLTAGES

### 1100 TUNER MODULE

1 = GND
2 = 0.0 V
3 = GND
4 = 0.0 V
5 = 1.8 V FM / 0.0 V AM
6 = 8.5 V
7 = 1.3 V - 5.7 V
8 = 1.6 V
9 = GND
10 = 1.8 V
11 = 0.0 V
12 = 8.5 V AM / 0.2 V FM
13 = 1.8 V

### 7050 TEA6200

1 = 6.3 V AM
2 = 4.0 V AM
3 = 8.5 V AM
4 = 8.5 V AM
5 = 8.5 V AM
6 = 7.3 V AM
7 = 1.4 V AM
8 = 4.0 V AM
9 = 4.0 V AM
10 = 4.0 V AM
11 = 6.9 V AM
12 = 2.9 V AM
13 = 5.0 V AM
14 = 8.5 V AM / 0.2 V FM
15 = 4.7 V AM
16 = 4.7 V AM
17 = GND
18 = 5.7 V AM
19 = 1.0 V AM
20 = 5.7 V AM

### 7150 TEA 6100

1 = 8.5 V
2 = 0.7V
3 = 2.6 V - 5.0 V
4 = 0.0 V
5 = 2.0 V
6 = 0.2 V
7 = GND
8 = 8.5 V
9 = 4.8 V SCL
10 = 4.8 V SDA
11 = 4.3 V
12 = 4.5 V
13 = 4.5 V
14 = 2.5 V
15 = 4.3 V
16 = 2.9 V
17 = 2.9 V
18 = 2.9 V
19 = 2.9 V
20 = GND

### 7180 TSA6057

1 = 4 MHz
2 = 4 MHz
3 = 4.7 V
4 = GND
5 = 1.8 V
6 = 1.5 V
7 = 1.8 V
8 = 0.2 V FM / 8.5 V AM
9 = 0.3 V
10 = 4.7 V SDA
11 = 4.7 V SCL
12 = GND
13 = 1.3 V - 5.7 V FM
14 = 2.1 V
15 = 1.9 V - 3.4 V AM
16 = 8.4 V

### 7210 TDA1596

1 = 4.7 V
2 = 5 MHz
3 = GND
4 = 3.0 V
5 = 8.5 V
6 = 2.3 V
7 = 2.2 V
8 = 2.1 V
9 = 3.8 V
10 = 3.8 V
11 = 3.8 V
12 = 3.8 V
13 = 3.8 V
14 = 3.8 V
15 = 4.3 V
16 = 4.3 V
17 = 4.3 V
18 = 4.8 V
19 = 4.8 V
20 = 3.0 V

### 7370 HEF 4052BT

1 = 3.1 V
2 = 2.7 V
3 = 3.7 V
4 = GND
5 = GND
6 = 0.0 V
7 = GND
8 = GND
9 = 4.8 V
10 = GND
11 = GND
12 = 3.0 V
13 = 3.7 V
14 = GND
15 = 3.2 V
16 = 7.3 V

### 7500 TDA1526

1 = 1.1 V
2 = 8.5 V
3 = 8.7 V
4 = 4.4 V
5 = 3.9 V
6 = 3.8 V
7 = 2.1 V
8 = 4.2 V
9 = 2.8 V
10 = 2.2 V
11 = 4.1 V
12 = 2.2 V
13 = 3.8 V
14 = 3.8 V
15 = 3.8 V
16 = 1.9 V
17 = 3.8 V
18 = GND

### 7550 TDA7374

1 = 7.0 V
2 = 7.1 V
3 = 14.4 V
4 = 0.7 V
5 = 0.7 V
6 = 0.7 V
7 = 4.0 V
8 = Earth
9 = GND
10 = NC
11 =0.7 V
12 =0.7 V
13 = 14.4 V
14 = 7.0 V
15 = 7.0 V

### 7602 L 4918

1 = 14.4 V
2 = 2.6 V
3 = GND
4 = GND
5 = 8.5 V

### 7606 L4949

1 = 13.6 V
2 = 2.0 V
3 = N.C.
4 = 2.4 V
5 = GND
6 = 5.0 V
7 = 4.0 V
8 = 5.0 V

### 7651 HEF4094B

1 = 0.0 V
2 = 4.7 V
3 = 4.8 V
4 = 0.0 V
5 = 0.0 V
6 = 0.0 V
7 = 0.0 V
8 = GND
9 = N.C
10 = N.C.
11 = 0.0 V AM / 5.0 V FM
12 = 0.0 V
13 = 0.0 V
14 = 0.0 V
15 = 5.0 V
16 = 5.0 V

### 7750 X2416P

1 = GND
2 = GND
3 = GND
4 = GND
5 = 4.8 V SDA
6 = 4.8 V SCL
7 = GND
8 = 5 V

### 7780 LA2000

1 = 2.0 V
2 = 8.0 V
3 = 2.0 V
4 = N.C.
5 = GND
6 = 4.8 V
7 = N.C.
8 = N.C.
9 = 8.5 V